ADDENDUM 6

### MASTER MICROBIOLOGY CULTURE RESULTS

#### Author

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4554



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698                  | Report date: 2017-08-28           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

|          | <b>e</b> sanas     |
|----------|--------------------|
| Hac-MRA  | Testing Laboratory |
| applatow | T0367              |

|                  |                         |              | Sample                | Sample               | Sample                 | Sample              | Sample                |
|------------------|-------------------------|--------------|-----------------------|----------------------|------------------------|---------------------|-----------------------|
|                  | Laborator               | y number:    | M17/4554/1.1          | M17/4554/1.2         | M17/4554/1.3           | M17/4554/1.4        | M17/4554/1.5          |
| Second           | Sa                      | mple type:   | Culture plate         | Culture plate        | Culture plate          | Culture plate       | Culture plate         |
|                  | Client sample           | reference:   | 21C A                 | 21C B                | 21C C                  | 21C D               | 239A                  |
| T0367            | Commencement da         | ate of test: | 2017-07-05            | 2017-07-05           | 2017-07-05             | 2017-07-05          | 2017-07-05            |
| -                | Completion da           | ate of test: | 2017-08-11            | 2017-08-11           | 2017-08-11             | 2017-08-11          | 2017-08-11            |
|                  | Condition               | of sample:   | Acceptable            | Acceptable           | Acceptable             | Acceptable          | Acceptable            |
| Test Method Used | Analysis                | Units        |                       |                      |                        |                     |                       |
| AMS-AML-303      | Organism Identification |              | Staphylococcus cohnii | Mycobacterium        | Bacillus simplex 99.9% | Bacillus            | Serratia liquefaciens |
|                  |                         |              | ssp cohnii 99.9%      | nebraskense 50.0%;   |                        | altitudinis/pumilus | 99.9%                 |
|                  |                         |              |                       | Bacterroides         |                        | 99.9%               |                       |
|                  |                         |              |                       | ovatus/xylanisolvens |                        |                     |                       |
|                  |                         |              |                       | 50.0%                |                        |                     |                       |

#### NOTES:

<1 Cfu/g/ml

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or This test report applies only to the samples tested.

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\* Not SANAS Accredited tests and are not included in the SANAS Schedule of Accreditation for this laboratory



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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4554



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2015-07-17

|                  |                          |              | Sample         | Sample                | Sample         | Sample              | Sample               |
|------------------|--------------------------|--------------|----------------|-----------------------|----------------|---------------------|----------------------|
|                  | Laborator                | y number:    | M17/4554/1.6   | M17/4554/1.7          | M17/4554/1.8   | M17/4554/1.9        | M17/4554/1.10        |
| sanas +sanas     | Sa                       | mple type:   | Culture plate  | Culture plate         | Culture plate  | Culture plate       | Culture plate        |
| BC-MEA<br>Todata | Client sample reference: |              | 239B           | 239C                  | 240A           | 240B                | 240C                 |
| TO367            | Commencement da          | ate of test: | 2017-07-05     | 2017-07-05            | 2017-07-05     | 2017-07-05          | 2017-07-05           |
|                  | Completion da            | ate of test: | 2017-08-11     | 2017-08-11            | 2017-08-11     | 2017-08-11          | 2017-08-11           |
|                  | Condition                | of sample:   | Acceptable     | Acceptable            | Acceptable     | Acceptable          | Acceptable           |
| Test Method Used | Analysis                 | Units        |                |                       |                |                     |                      |
| AMS-AML-303      | Organism Identification  |              | Staphylococcus | Nocardia              | Staphylococcus | Bacillus            | Gordonia sputi 99.9% |
|                  |                          |              | aureus 99.9%   | cyriacigeorgica 99.2% | hominis 99.9%  | altitudinis/pumilus |                      |
|                  |                          |              |                |                       |                | 99.9%               |                      |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

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<1 Cfu/g/ml

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4554



Sample Sample Laboratory number: M17/4554/1.11 M17/4554/1.12 Sample type: Culture plate Culture plate Client sample reference: 241A 241B Commencement date of test: 2017-07-05 2017-07-05 2017-08-11 Completion date of test: 2017-08-11 Condition of sample: Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Acinetobacter Iwoffii Acinetobacter ---99.9% radioresistens 99.9%

Name in full

Designation

Signature

NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or <1 Cfu/g/ml This test report applies only to the samples tested.

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4556



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698 (Bag 2)          | Report date: 2017-09-12           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 | -                                 |
| E-mail address:                  | jnice@csir.co.za            |                                   |

| Hac-MRA      | <b>esanas</b>      |
|--------------|--------------------|
| VOV          | Testing Laboratory |
| "Haladalala" | T0367              |

|                  |                          |              | Sample              | Sample               | Sample               | Sample               | Sample         |
|------------------|--------------------------|--------------|---------------------|----------------------|----------------------|----------------------|----------------|
|                  | Laboratory number:       |              | M17/4556/1.1        | M17/4556/1.2         | M17/4556/1.4         | M17/4556/1.6         | M17/4556/1.8   |
| <b>Fsanas</b>    | Sample type:             |              | Culture plate       | Culture plate        | Culture plate        | Culture plate        | Culture plate  |
| TO367            | Client sample reference: |              | 242A                | 242B                 | 243B                 | 244A                 | 245A           |
| TO367            | Commencement d           | ate of test: | 2017-07-07          | 2017-07-07           | 2017-07-07           | 2017-07-07           | 2017-07-07     |
|                  | Completion d             | ate of test: | 2017-08-31          | 2017-08-31           | 2017-08-31           | 2017-08-31           | 2017-08-31     |
|                  | Condition                | of sample:   | Acceptable          | Acceptable           | Acceptable           | Acceptable           | Acceptable     |
| Test Method Used | Analysis                 | Units        |                     |                      |                      |                      |                |
| AMS-AML-303      | Organism Identification  |              | Pseudomonas luteola | Spot/Organism Failed | Spot/Organism Failed | Spot/Organism Failed | Staphylococcus |
|                  |                          |              |                     |                      |                      |                      | epidermidis    |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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### **TEST REPORT**

#### AMCL17/25640 Report number: M17/4556



Page 2 of 4

|                  |                          |             | Sample               | Sample               |  |  |
|------------------|--------------------------|-------------|----------------------|----------------------|--|--|
|                  | Laborator                | y number:   | M17/4556/1.9         | M17/4556/1.13        |  |  |
| Seconac          | Sa                       | mple type:  | Culture plate        | Culture plate        |  |  |
| TOSE7            | Client sample reference: |             | 245B                 | 247C                 |  |  |
| TO367            | Commencement da          | te of test: | 2017-07-07           | 2017-07-07           |  |  |
|                  | Completion da            | te of test: | 2017-08-31           | 2017-08-31           |  |  |
|                  | Condition                | of sample:  | Acceptable           | Acceptable           |  |  |
| Test Method Used | Analysis                 | Units       |                      |                      |  |  |
| AMS-AML-303      | Organism Identification  |             | Spot/Organism Failed | Spot/Organism Failed |  |  |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4556



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|                  |                         |              | Sample        | Sample         | Sample        | Sample                 | Sample         |
|------------------|-------------------------|--------------|---------------|----------------|---------------|------------------------|----------------|
|                  | Laborator               | ry number:   | M17/4556/1.3  | M17/4556/1.5   | M17/4556/1.7  | M17/4556/1.10          | M17/4556/1.11  |
| Second 4         | Sa                      | mple type:   | Culture plate | Culture plate  | Culture plate | Culture plate          | Culture plate  |
| Rac-MRA Sanas    | Client sample           | reference:   | 243A          | 243C           | 244B          | 245C                   | 247A           |
| TO367            | Commencement da         | ate of test: | 2017-07-07    | 2017-07-07     | 2017-07-07    | 2017-07-07             | 2017-07-07     |
|                  | Completion da           | ate of test: | 2017-08-31    | 2017-08-31     | 2017-08-31    | 2017-08-31             | 2017-08-31     |
|                  | Condition               | of sample:   | Acceptable    | Acceptable     | Acceptable    | Acceptable             | Acceptable     |
| Test Method Used | Analysis                | Units        |               |                |               |                        |                |
| AMS-AML-303*     | Organism Identification |              | Achromobacter | Achromobacter  | Pseudomonas   | Bacillus vallismortis; | Achromobacter  |
|                  |                         |              | xylosoxidans; | denitrificans; | viridiflava   | Bacillus subtilis;     | denitrificans; |
|                  |                         |              | Achromobacter | Achromobacter  |               | Bacillus               | Achromobacter  |
|                  |                         |              | denitrificans | xylosoxidans   |               | amyloliquefaciens      | xylosoxidans   |
|                  | Confidence Value        | %            | 50.0%;50.0%   | 50.0%; 50.0%   | 50.0%         | 33.3%; 33.3%; 33.3%    | 50.0%; 50.0%   |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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## **TEST REPORT**

AMCL17/25640 Report number: M17/4556



|                  |                                       |                      | Sample        |  |
|------------------|---------------------------------------|----------------------|---------------|--|
|                  | Laborator                             | ry number:           | M17/4556/1.12 |  |
| Senac 4          | Sa                                    | ample type:          | Culture plate |  |
| Rac-MEA (Sanas   | Client sample r                       | reference:           | 247B          |  |
| TO367            | Commencement da                       | ate of test:         | 2017-07-07    |  |
| Г                | Completion da                         | ate of test:         | 2017-08-31    |  |
| ſ                | Condition                             | Condition of sample: |               |  |
| Test Method Used | Analysis                              | Units                |               |  |
| AMS-AML-303*     | Organism Identification               |                      | Achromobacter |  |
|                  | 1                                     |                      | xylosoxidans; |  |
|                  | 1                                     |                      | Achromobacter |  |
|                  | · · · · · · · · · · · · · · · · · · · |                      | denitrificans |  |
|                  | Confidence Value                      | %                    | 50.0%; 50.0%  |  |

Comment:

Approved signatory: Philani Nkosi Quality Microbiologist

ALASS-

Name in full

Designation

Signature

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4558



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698 (Bag 3)          | Report date: 2017-09-12           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

| ACC MEA         | <b>esanas</b> |
|-----------------|---------------|
| and and a later | T0367         |

|                  |                          |                    | Sample               | Sample         | Sample                | Sample               | Sample             |
|------------------|--------------------------|--------------------|----------------------|----------------|-----------------------|----------------------|--------------------|
|                  | Laborato                 | Laboratory number: |                      | M17/4558/1.3   | M17/4558/1.4          | M17/4558/1.5         | M17/4558/1.6       |
|                  | Sample type:             |                    | Culture plate        | Culture plate  | Culture plate         | Culture plate        | Culture plate      |
|                  | Client sample reference: |                    | 248A                 | 248C           | 249A                  | 249B                 | 250A               |
| TO367            | Commencement d           | ate of test:       | 2017-07-07           | 2017-07-07     | 2017-07-07            | 2017-07-07           | 2017-07-07         |
|                  | Completion d             | ate of test:       | 2017-08-31           | 2017-08-31     | 2017-08-31            | 2017-08-31           | 2017-08-31         |
|                  | Condition                | of sample:         | Acceptable           | Acceptable     | Acceptable            | Acceptable           | Acceptable         |
| Test Method Used | Analysis                 | Units              |                      |                |                       |                      |                    |
| AMS-AML-303      | Organism Identification  |                    | Enterococcus faecium | Staphylococcus | Acinetobacter Iwoffii | Spot/Organism failed | Pseudomonas putida |
|                  |                          |                    |                      | haemolyticus   |                       |                      |                    |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4558



Sample Sample Sample Sample Sample Laboratory number: M17/4558/1.7 M17/4558/1.8 M17/4558/1.9 M17/4558/1.10 M17/4558/1.12 Sample type: Culture plate Culture plate Culture plate Culture plate Culture plate Client sample reference: 251A 251B 251C 252A 252C Commencement date of test: 2017-07-07 2017-07-07 2017-07-07 2017-07-07 2017-07-07 Completion date of test: 2017-08-31 2017-08-31 2017-08-31 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable Acceptable Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Staphylococcus Bacillus cereus group Spot/Organism failed Pantoea agglomerans; Bacillus cereus group \_\_\_\_ hominis Pseudomonas fluorescens:

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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\*\* Opinions and interpretations expressed herein are outside the scope of SANAS Accreditation

2017-09-06

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### **TEST REPORT**

#### AMCL17/25640 Report number: M17/4558



Sample Sample Laboratory number: M17/4558/1.2 M17/4558/1.11 Sample type: Culture plate Culture plate Client sample reference: 248B 252B Commencement date of test: 2017-07-07 2017-07-07 Completion date of test: 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303\* Organism Identification Bacillus Lysinibacillus \_\_\_\_ amyloliquefaciens fusiformis % Confidence Value 33.3% 50.0% ---

Comment: Philani Nkosi Quality Microbiologist Approved signatory: \_\_\_\_\_

Name in full

Designation

Signature

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4560



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698 (Bag 4)          | Report date: 2017-09-12           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

|            | <b>4</b> canac     |
|------------|--------------------|
| Hac-MRA    | Testing Laboratory |
| Malalalala | T0367              |

| Canac            |                            |                    | Sample<br>M17/4560/1.1                                   | Sample   | Sample               | Sample               | Sample                          |
|------------------|----------------------------|--------------------|--|--|----------------------|----------------------|---------------------------------|
|                  | Laborato                   | Laboratory number: |  | M17/4560/1.2   | M17/4560/1.3         | M17/4560/1.4         | M17/4560/1.5                    |
|                  | Sample type:               |                    | Culture plate  | Culture plate  | Culture plate        | Culture plate        | Culture plate                   |
|                  | Client sample              | reference:         | 253A   | 253B   | 253C                 | 254A                 | 254B                            |
| TO367            | Commencement date of test: |                    | 2017-07-07   | 2017-07-07   | 2017-07-07           | 2017-07-07           | 2017-07-07                      |
|                  | Completion d               | ate of test:       | 2017-08-31   | 2017-08-31   | 2017-08-31           | 2017-08-31           | 2017-08-31                      |
|                  | Condition                  | of sample:         | Acceptable   | Acceptable   | Acceptable           | Acceptable           | Acceptable                      |
| Test Method Used | Analysis                   | Units              |  |  |                      |                      |                                 |
| AMS-AML-303      | Organism Identification    |                    | Staphylococcus<br>epidermidis ;<br>Paenibaciillus pabuli | Staphylococus<br>epidermidis ;<br>Paenibacillus pabuli | Spot/Organism failed | Spot/Organism failed | Baciilus<br>altitudinis/pumilus |

#### NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4560



Sample Sample Sample Sample Sample Laboratory number: M17/4560/1.6 M17/4560/1.7 M17/4560/1.8 M17/4560/1.9 M17/4560/1.10 Sample type: Culture plate Culture plate Culture plate Culture plate Culture plate Client sample reference: 254C 254D 255A 255B 255C Commencement date of test: 2017-07-07 2017-07-07 2017-07-07 2017-07-07 2017-07-07 Completion date of test: 2017-08-31 2017-08-31 2017-08-31 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable Acceptable Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Spot/Organism failed Bacillus cereus group Bacillus cereus group Acinetobacter Iwoffii Staphylococcus cohnii --ssp urealyticus

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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### **TEST REPORT**

#### AMCL17/25640 Report number: M17/4560



Sample Sample Laboratory number: M17/4560/1.11 M17/4560/1.12 Sample type: Culture plate Culture plate Client sample reference: 256A 257A Commencement date of test: 2017-07-07 2017-07-07 Completion date of test: 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Pseudomonas Acinetobacter lwoffii \_\_\_\_ fluorescens

Comment: Approved signatory: Philani Nkosi Quality Microbiologist

Laboratory.

Name in full

Designation

Signature

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4561



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698 (Bag 5)          | Report date: 2017-09-12           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

|            | <b>e</b> sanas              |
|------------|-----------------------------|
| Incic-Mica | Testing Laboratory<br>T0367 |

|                                    |                         |              | Sample              | Sample                | Sample        | Sample        | Sample        |
|------------------------------------|-------------------------|--------------|---------------------|-----------------------|---------------|---------------|---------------|
|                                    | Laborato                | ry number:   | M17/4561/1.1        | M17/4561/1.2          | M17/4561/1.3  | M17/4561/1.4  | M17/4561/1.5  |
| Second                             | Sa                      | Sample type: |                     | Culture plate         | Culture plate | Culture plate | Culture plate |
| Sanas<br>terre Laboratory<br>T0367 | Client sample           | reference:   | 258A                | 258B                  | 258C          | 259A          | 259B          |
| T0367                              | Commencement da         | ate of test: | 2017-07-07          | 2017-07-07            | 2017-07-07    | 2017-07-07    | 2017-07-07    |
|                                    | Completion da           | ate of test: | 2017-08-31          | 2017-08-31            | 2017-08-31    | 2017-08-31    | 2017-08-31    |
|                                    | Condition               | of sample:   | Acceptable          | Acceptable            | Acceptable    | Acceptable    | Acceptable    |
| Test Method Used                   | Analysis                | Units        |                     |                       |               |               |               |
| AMS-AML-303                        | Organism Identification |              | Pantoea agglomerans | Acinetobacter lwoffii | Ochrobactrum  | Pseudomonas   | Pseudomonas   |
|                                    |                         |              |                     |                       | intermedium   | fluorescens   | fluorescens   |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4561



Sample Sample Sample Sample Laboratory number: M17/4561/1.7 M17/4561/1.8 M17/4561/1.9 M17/4561/1.11 Sample type: Culture plate Culture plate Culture plate Culture plate Client sample reference: 260A 260B 261A 261C Commencement date of test: 2017-07-07 2017-07-07 2017-07-07 2017-07-07 Completion date of test: 2017-08-31 2017-08-31 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Pseudomonas Spot/Organism Failed Spot/Organism Failed Staphylococcus capitis \_\_\_\_ fluorescens

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4561



|                  |                            |           | Sample                | Sample                | <br> |  |
|------------------|----------------------------|-----------|-----------------------|-----------------------|------|--|
| Sanas<br>T0367   | Laborator                  | y number: | M17/4561/1.6          | M17/4561/1.10         |      |  |
|                  | Sample type:               |           | Culture plate         | Culture plate         |      |  |
|                  | Client sample reference:   |           | 259C                  | 261B                  |      |  |
|                  | Commencement date of test: |           | 2017-07-07            | 2017-07-07            |      |  |
|                  | Completion date of test:   |           | 2017-08-31            | 2017-08-31            |      |  |
|                  | Condition of sample:       |           | Acceptable            | Acceptable            |      |  |
| Test Method Used | Analysis                   | Units     |                       |                       |      |  |
| AMS-AML-303*     | Organism Identification    |           | Enterobacter asburiae | Bacillus vallismortis |      |  |
|                  | Confidence Value           | %         | 50.0%                 | 33.3%                 |      |  |

Quality Microbiologist Approved signatory: Philani Nkosi \_\_\_\_\_

Name in full

Designation

Signature

NOTES:

Comment:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4570



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698 (Bag 6)          | Report date: 2017-09-12           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

| Hac-MRA Juin | ac    |
|--------------|-------|
| Testing      | T0367 |

|                  |                            |               | Sample               | Sample           | Sample           | Sample         | Sample             |
|------------------|----------------------------|---------------|----------------------|------------------|------------------|----------------|--------------------|
| Sanas<br>Tosta   | Laboratory number:         |               | M17/4570/1.1         | M17/4570/1.2     | M17/4570/1.4     | M17/4570/1.5   | M17/4570/1.7       |
|                  | Si                         | Sample type:  |                      | Culture plate    | Culture plate    | Culture plate  | Culture plate      |
|                  | Client sample reference:   |               | 262A                 | 262B             | 263B             | 264A           | 265A               |
|                  | Commencement date of test: |               | 2017-07-07           | 2017-07-07       | 2017-07-07       | 2017-07-07     | 2017-07-07         |
|                  | Completion c               | late of test: | 2017-08-31           | 2017-08-31       | 2017-08-31       | 2017-08-31     | 2017-08-31         |
|                  | Condition                  | of sample:    | Acceptable           | Acceptable       | Acceptable       | Acceptable     | Acceptable         |
| Test Method Used | Analysis                   | Units         |                      |                  |                  |                |                    |
| AMS-AML-303      | Organism Identification    |               | Spot/organism failed | Bacillus simplex | Bacillus simplex | Staphylococcus | Pseudomonas putida |
|                  |                            |               |                      |                  |                  | epidermidis    |                    |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4570



|                  |                            |                    | Sample             | Sample             | Sample               | Sample              | Sample               |
|------------------|----------------------------|--------------------|--------------------|--------------------|----------------------|---------------------|----------------------|
|                  | Laborator                  | Laboratory number: |                    | M17/4570/1.9       | M17/4570/1.12        | M17/4570/1.13       | M17/4570/1.14        |
| Sanas<br>Toser   | Sample type:               |                    | Culture plate      | Culture plate      | Culture plate        | Culture plate       | Culture plate        |
|                  | Client sample reference:   |                    | 265B               | 265C               | 267B                 | 268A                | 268B                 |
|                  | Commencement date of test: |                    | 2017-07-07         | 2017-07-07         | 2017-07-07           | 2017-07-07          | 2017-07-07           |
|                  | Completion da              | ate of test:       | 2017-08-31         | 2017-08-31         | 2017-08-31           | 2017-08-31          | 2017-08-31           |
|                  | Condition                  | of sample:         | Acceptable         | Acceptable         | Acceptable           | Acceptable          | Acceptable           |
| Test Method Used | Analysis                   | Units              |                    |                    |                      |                     |                      |
| AMS-AML-303      | Organism Identification    |                    | Pseudomonas putida | Pseudomonas putida | Pantoea agglomerans; | Bacillus megaterium | Spot/organism failed |
|                  |                            |                    |                    |                    | Enterococcus faecium |                     |                      |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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2017-09-06

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4570



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|                  |                         |              | Sample         | Sample                | Sample        | Sample             |  |
|------------------|-------------------------|--------------|----------------|-----------------------|---------------|--------------------|--|
| 5002010          | Laborator               | ry number:   | M17/4570/1.3   | M17/4570/1.6          | M17/4570/1.10 | M17/4570/1.11      |  |
| Senerat          | Sa                      | mple type:   | Culture plate  | Culture plate         | Culture plate | Culture plate      |  |
|                  | Client sample           | reference:   | 263A           | 264B                  | 266A          | 267A               |  |
| TO367            | Commencement da         | ate of test: | 2017-07-07     | 2017-07-07            | 2017-07-07    | 2017-07-07         |  |
|                  | Completion da           | ate of test: | 2017-08-31     | 2017-08-31            | 2017-08-31    | 2017-08-31         |  |
|                  | Condition               | of sample:   | Acceptable     | Acceptable            | Acceptable    | Acceptable         |  |
| Test Method Used | Analysis                | Units        |                |                       |               |                    |  |
| AMS-AML-303*     | Organism Identification |              | Achromobacter  | Bacillus              | Streptococcus | Moraxella lacunata |  |
|                  |                         |              | denitrificans; | amyloliquefaciens;    | pneumoniae;   |                    |  |
|                  |                         |              | Achromobacter  | Bacillus subtilis;    | Streptococcus |                    |  |
|                  |                         |              | xylosoxidans   | Bacillus vallismortis | sanguinis     |                    |  |
|                  | Confidence Value        | %            | 50.0%; 50.0%   | 33.3%; 33.3%; 33.3%   | 48.2%; 51.7%  | 33.3%              |  |

Comment:

Approved signatory:

Philani Nkosi

Quality Microbiologist



Name in full

Designation

Signature

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4572



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698(Bag 7)           | Report date: 2017-09-04           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

|             | +sanas                       |
|-------------|------------------------------|
| Contradada. | Testing Lationatory<br>T0367 |

|                             |                         |              | Sample        | Sample             | Sample         | Sample              | Sample                 |
|-----------------------------|-------------------------|--------------|---------------|--------------------|----------------|---------------------|------------------------|
|                             | Laborator               | y number:    | M17/4572/1.1  | M17/4572/1.2       | M17/4572/1.3   | M17/4572/1.4        | M17/4572/1.5           |
| Canac 4 canac               | Sa                      | mple type:   | Culture plate | Culture plate      | Culture plate  | Culture plate       | Culture plate          |
| BC-MEA<br>Together<br>T0367 | Client sample           | reference:   | 269A          | 269B               | 270A           | 271A                | 271B                   |
| TO367                       | Commencement da         | ate of test: | 2017-07-07    | 2017-07-07         | 2017-07-07     | 2017-07-07          | 2017-07-07             |
|                             | Completion da           | ate of test: | 2017-08-31    | 2017-08-31         | 2017-08-31     | 2017-08-31          | 2017-08-31             |
|                             | Condition               | of sample:   | Acceptable    | Acceptable         | Acceptable     | Acceptable          | Acceptable             |
| Test Method Used            | Analysis                | Units        |               |                    |                |                     |                        |
| AMS-AML-303                 | Organism Identification |              | Pseudomonas   | Staphylococcus     | Staphylococcus | Bacillus            | Paenibacillus apiarius |
|                             |                         |              | fluorescens   | sciuri,Pseudomonas | hominis        | altitudinis/pumilus |                        |
|                             |                         |              |               | fluorescens        |                |                     |                        |

#### NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or <1 Cfu/g/ml

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4572



Sample Sample Sample Sample Sample Laboratory number: M17/4572/1.6 M17/4572/1.7 M17/4572/1.8 M17/4572/1.9 M17/4572/1.10 Sample type: Culture plate Culture plate Culture plate Culture plate Culture plate Client sample reference: 272A 272B 273A 273B 273C 2017-07-07 Commencement date of test: 2017-07-07 2017-07-07 2017-07-07 2017-07-07 2017-08-31 2017-08-31 Completion date of test: 2017-08-31 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable Acceptable Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Acinetobacter lwoffi Bacillus Pseudomonas Staphylococcus cohnii Bacillus cereus --altitudinis/pumilus fluorescens ssp urealyticus

NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4572



|                    |                         |              | Sample                          | Sample             | Sample             |  |
|--------------------|-------------------------|--------------|---------------------------------|--------------------|--------------------|--|
| 5000000            | Laborator               | y number:    | M17/4572/1.11                   | M17/4572/1.12      | M17/4572/1.13      |  |
| Acanac             | Sa                      | mple type:   | Culture plate                   | Culture plate      | Culture plate      |  |
| Sanas<br>Inder MEA | Client sample           | reference:   | 273D                            | 274A               | 274B               |  |
| TO367              | Commencement da         | ate of test: | 2017-07-07                      | 2017-07-07         | 2017-07-07         |  |
|                    | Completion da           | ate of test: | 2017-08-31                      | 2017-08-31         | 2017-08-31         |  |
|                    | Condition               | of sample:   | Acceptable                      | Acceptable         | Acceptable         |  |
| Test Method Used   | Analysis                | Units        |                                 |                    |                    |  |
| AMS-AML-303        | Organism Identification |              | Bacillus                        | Pseudomonas putida | Pseudomonas putida |  |
|                    |                         |              | amyloliquefaciens,Bacillus      |                    |                    |  |
|                    |                         |              | vallismortis, Bacillus subtilis |                    |                    |  |

| Comment:            |               |                        | Acto      |
|---------------------|---------------|------------------------|-----------|
| Approved signatory: | Philani Nkosi | Quality Microbiologist | DUHOS-    |
|                     | Name in full  | Designation            | Signature |

#### NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or <1 Cfu/g/ml This test report applies only to the samples tested.

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# **TEST REPORT**

Report number: M17/4573



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698 (Bag 8)          | Report date: 2017-09-04           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

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|                        |                            |            | Sample                |  |  |
|------------------------|----------------------------|------------|-----------------------|--|--|
|                        | Laboratory number:         |            | M17/4573/1.1          |  |  |
| Canac                  | Sample type:               |            | Culture plate         |  |  |
| Sanas<br>tests tabouty | Client sample reference:   |            | 275A                  |  |  |
| TO367                  | Commencement date of test: |            | 2017-07-07            |  |  |
|                        | Completion date of test:   |            | 2017-08-31            |  |  |
|                        | Condition                  | of sample: | Acceptable            |  |  |
| Test Method Used       | Analysis                   | Units      |                       |  |  |
| AMS-AML-303            | Organism Identification    |            | Acinetobacter lwoffii |  |  |

#### NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or <1 Cfu/g/ml

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# **TEST REPORT**

Report number: M17/4573



|                  |                         |              | Sample                |   | <br> |  |
|------------------|-------------------------|--------------|-----------------------|---|------|--|
|                  | Laboratory number:      |              | M17/4573/1.2          |   |      |  |
| sanas            | Sar                     | Sample type: |                       |   |      |  |
| TO367            | Client sample re        | eference:    | 275B                  |   |      |  |
| TO367            | Commencement dat        | te of test:  | 2017-07-07            |   |      |  |
|                  | Completion dat          | te of test:  | 2017-08-31            |   |      |  |
|                  | Condition o             | of sample:   | Acceptable            |   |      |  |
| Test Method Used | Analysis                | Units        |                       |   |      |  |
| AMS-AML-303      | Organism Identification |              | Staphylococcus        | [ |      |  |
|                  | , J                     | l            | hominis,Kocuria rosea |   |      |  |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or <1 Cfu/g/ml

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# **TEST REPORT**

Report number: M17/4573



|                                       |                            |                    | Sample             |  |  |
|---------------------------------------|----------------------------|--------------------|--------------------|--|--|
|                                       | Laborator                  | Laboratory number: |                    |  |  |
| Je Acanac                             | Sample type:               |                    | Culture plate      |  |  |
| Bac-MRA Salida<br>Internet Laboratory | Client sample reference:   |                    | 275C               |  |  |
| TO367                                 | Commencement date of test: |                    | 2017-07-07         |  |  |
| ſ                                     | Completion dat             | te of test:        | 2017-08-31         |  |  |
|                                       | Condition o                | of sample:         | Acceptable         |  |  |
| Test Method Used                      | Analysis                   | Units              |                    |  |  |
| AMS-AML-303                           | Organism Identification    |                    | Micrococcus luteus |  |  |

NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or <1 Cfu/g/ml This test report applies only to the samples tested.

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Web address: www.aspirata.co.za

# **TEST REPORT**

Report number: M17/4573



|                               |                            |              | Sample        |  |  |
|-------------------------------|----------------------------|--------------|---------------|--|--|
|                               | Laborator                  | ry number:   | M17/4573/1.4  |  |  |
| Canac                         | Sar                        | mple type:   | Culture plate |  |  |
| BEC MEA<br>Testing (dicontry) | Client sample r            | eference:    | 276A          |  |  |
| TO367                         | Commencement date of test: |              | 2017-07-07    |  |  |
|                               | Completion da              | ite of test: | 2017-08-31    |  |  |
|                               | Condition of sample:       |              | Acceptable    |  |  |
| Test Method Used              | Analysis                   | Units        |               |  |  |
| AMS-AML-303                   | Organism Identification    |              | Pseudomonas   |  |  |
|                               | /                          |              | fluorescens   |  |  |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

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# **TEST REPORT**

Report number: M17/4573



|                  |                         |              | Sample                 |  |                                       |    |
|------------------|-------------------------|--------------|------------------------|--|---------------------------------------|----|
|                  | Laborator               | ry number:   | M17/4573/1.5           |  |                                       |    |
| +sanas           | Sa                      | Sample type: |                        |  | · · · · · · · · · · · · · · · · · · · |    |
| BC=MEA Sallas    | Client sample r         | reference:   | 276B                   |  |                                       |    |
| Togo Togo        | Commencement da         | ate of test: | 2017-07-07             |  |                                       | [] |
|                  | Completion da           | ate of test: | 2017-08-31             |  |                                       |    |
|                  | Condition of sample:    |              | Acceptable             |  |                                       |    |
| Test Method Used | Analysis                | Units        |                        |  |                                       |    |
| AMS-AML-303      | Organism Identification |              | Streptococcus          |  |                                       |    |
|                  | 1                       | 1            | constellatus,Moraxella |  |                                       | 1  |
|                  |                         | <u> </u>     | cuniculi               |  |                                       | 1  |

NOTES:

Cfu: Colony Forming Units

ND: Not Detected

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# **TEST REPORT**

Report number: M17/4573



|                    |                            |       | Sample               |  |  |
|--------------------|----------------------------|-------|----------------------|--|--|
|                    | Laboratory number:         |       | M17/4573/1.6         |  |  |
| Second Association | Sample type:               |       | Culture plate        |  |  |
| TO367              | Client sample reference:   |       | 276C                 |  |  |
|                    | Commencement date of test: |       | 2017-07-07           |  |  |
|                    | Completion date of test:   |       | 2017-08-31           |  |  |
|                    | Condition of sample:       |       | Acceptable           |  |  |
| Test Method Used   | Analysis                   | Units |                      |  |  |
| AMS-AML-303        | Organism Identification    |       | Acinetobacter lwoffi |  |  |

NOTES:

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# **TEST REPORT**

Report number: M17/4573



|                     |                            |             | Sample                |                                       |                                       |  |   |
|---------------------|----------------------------|-------------|-----------------------|---------------------------------------|---------------------------------------|--|---|
|                     | Laborator                  | y number:   | M17/4573/1.7          | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | ,  |   |
| Canac               | Sar                        | mple type:  | Culture plate         | (                                     | 1                                     | ,  |   |
|                     | Client sample re           | eference:   | 277A                  | (                                     | · · · · · · · · · · · · · · · · · · · | ,  |   |
| Total and the TO367 | Commencement date of test: |             | 2017-07-07            |                                       | 1                                     | ,  |   |
| Г                   | Completion dat             | te of test: | 2017-08-31            | []                                    | ·                                     | · · · · · · · · · · · · · · · · · · ·        |   |
|                     | Condition of sample:       |             | Acceptable            |                                       |                                       | · · · · · · · · · · · · · · · · · · ·        |   |
| Test Method Used    | Analysis                   | Units       |                       |                                       |                                       |  |   |
| AMS-AML-303         | Organism Identification    | ;           | Staphylococcus cohnii | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | ,  |   |
|                     | ,                          |             | ssp urealyticus       |                                       |                                       | <u>                                     </u> | 1 |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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# **TEST REPORT**

Report number: M17/4573



|                    |                            |            | Sample             |  |  |
|--------------------|----------------------------|------------|--------------------|--|--|
|                    | Laboratory number:         |            | M17/4573/1.8       |  |  |
| Second Association | Sample type:               |            | Culture plate      |  |  |
| TO367              | Client sample reference:   |            | 277B               |  |  |
|                    | Commencement date of test: |            | 2017-07-07         |  |  |
|                    | Completion date of test:   |            | 2017-08-31         |  |  |
|                    | Condition of               | of sample: | Acceptable         |  |  |
| Test Method Used   | Analysis                   | Units      |                    |  |  |
| AMS-AML-303        | Organism Identification    |            | Micrococcus luteus |  |  |

NOTES:

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# **TEST REPORT**

Report number: M17/4573



|                  | Sample                     |            |                           |  |  |  |  |
|------------------|----------------------------|------------|---------------------------|--|--|--|--|
|                  | Laboratory number:         |            | M17/4573/1.9              |  |  |  |  |
| Second Acanac    | Sa                         | mple type: | Culture plate             |  |  |  |  |
|                  | Client sample r            | eference:  | 278A                      |  |  |  |  |
| T0367            | Commencement date of test: |            | 2017-07-07                |  |  |  |  |
|                  | Completion date of test:   |            | 2017-08-31                |  |  |  |  |
|                  | Condition of sample:       |            | Acceptable                |  |  |  |  |
| Test Method Used | Analysis                   | Units      |                           |  |  |  |  |
| AMS-AML-303      | Organism Identification    |            | Streptococcus             |  |  |  |  |
|                  |                            |            | parasanguinis,Pseudomonas |  |  |  |  |
|                  |                            |            | putida                    |  |  |  |  |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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# **TEST REPORT**

Report number: M17/4573



|                  |                            |            | Sample        | <br> | <br> |
|------------------|----------------------------|------------|---------------|------|------|
|                  | Laborator                  | y number:  | M17/4573/1.10 |      |      |
| Canac            | Sar                        | mple type: | Culture plate |      |      |
| Sanas            | Client sample r            | eference:  | 279A          |      |      |
| TO367            | Commencement date of test: |            | 2017-07-07    |      |      |
|                  | Completion date of test:   |            | 2017-08-31    |      |      |
|                  | Condition of sample:       |            | Acceptable    |      |      |
| Test Method Used | Analysis                   | Units      |               |      |      |
| AMS-AML-303      | Organism Identification    |            | Pseudomonas   |      |      |
|                  | /                          |            | fluorescens   |      |      |

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NOTES:

Cfu: Colony Forming Units ND: Not Detected

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\*\* Opinions and interpretations expressed herein are outside the scope of SANAS Accreditation

2015-07-17

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# **TEST REPORT**

Report number: M17/4573



| Sample           |                          |                            |                      |  |  |  |
|------------------|--------------------------|----------------------------|----------------------|--|--|--|
|                  | Laborator                | ry number:                 | M17/4573/1.11        |  |  |  |
| Senac 4 canac    | Sar                      | imple type:                | Culture plate        |  |  |  |
|                  | Client sample r          | eference:                  | 279B                 |  |  |  |
| TO367            | Commencement da          | Commencement date of test: |                      |  |  |  |
| ſ                | Completion date of test: |                            | 2017-08-31           |  |  |  |
|                  | Condition of sample:     |                            | Acceptable           |  |  |  |
| Test Method Used | Analysis                 | Units                      |                      |  |  |  |
| AMS-AML-303      | Organism Identification  |                            | Bacillus             |  |  |  |
|                  | 1                        | 1                          | cereus,Pseudomonas   |  |  |  |
|                  | 1                        | 1                          | fluorescens,Bacillus |  |  |  |
|                  | I                        |                            | megaterium           |  |  |  |

Revision 13

Comment:

Approved signatory:

Philani Nkosi

Quality Microbiologist

Signature

Name in full

Designation

NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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### TEST REPORT AMCL17/25640 Report number: M17/4575



#### CLIENT DETAILS:

| Client reference / Order number: | 1000643698 (Bag 9)          | Report date: 2017-09-12           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |
|                                  |                             |                                   |

|                  |                         |             | Sample        | Sample         | Sample              |
|------------------|-------------------------|-------------|---------------|----------------|---------------------|
| sanas            | Laboratory              | number:     | M17/4575/1.1  | M17/4575/1.2   | M17/4575/1.3        |
|                  | San                     | nple type:  | Culture plate | Culture plate  | Culture plate       |
| Nac-MRA Jalias   | Client sample re        | eference:   | 280A          | 280B           | 280C                |
| TO367            | Commencement dat        | te of test: | 2017-07-07    | 2017-07-07     | 2017-07-07          |
|                  | Completion dat          | te of test: | 2017-08-31    | 2017-08-31     | 2017-08-31          |
|                  | Condition o             | f sample:   | Acceptable    | Acceptable     | Acceptable          |
| Test Method Used | Analysis                | Units       |               |                |                     |
| AMS-AML-303      | Organism Identification |             | Streptococcus | Staphylococcus | Enterococus hirae;  |
|                  |                         |             | pneumoniae    | cohnii ssp     | Bacillus atrophaeus |
|                  |                         |             |               | urealyticus    |                     |

#### NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

#### <1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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### TEST REPORT AMCL17/25640 Report number: M17/4575



|                  |                         |             | Sample        | Sample          | Sample         |
|------------------|-------------------------|-------------|---------------|-----------------|----------------|
|                  | Laboratory              | number:     | M17/4575/1.4  | M17/4575/1.5    | M17/4575/1.6   |
| Acanac           | San                     | nple type:  | Culture plate | Culture plate   | Culture plate  |
| Nac MEA + Sanas  | Client sample re        | eference:   | 280D          | 281A            | 281B           |
| T0367            | Commencement dat        | te of test: | 2017-07-07    | 2017-07-07      | 2017-07-07     |
|                  | Completion dat          | te of test: | 2017-08-31    | 2017-08-31      | 2017-08-31     |
|                  | Condition o             | f sample:   | Acceptable    | Acceptable      | Acceptable     |
| Test Method Used | Analysis                | Units       |               |                 |                |
| AMS-AML-303      | Organism Identification |             | Spot/Organism | Bacillus cereus | Lysinibacillus |
|                  |                         |             | Failed        | group           | fusiformis     |

Revision 14

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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### TEST REPORT AMCL17/25640 Report number: M17/4575



|                  |                         |             | Sample         | Sample        | Sample         |
|------------------|-------------------------|-------------|----------------|---------------|----------------|
| sanas            | Laboratory              | / number:   | M17/4575/1.7   | M17/4575/1.8  | M17/4575/1.9   |
|                  | San                     | nple type:  | Culture plate  | Culture plate | Culture plate  |
|                  | Client sample re        | eference:   | 281C           | 282A          | 282B           |
| TO367            | Commencement dat        | te of test: | 2017-07-07     | 2017-07-07    | 2017-07-07     |
|                  | Completion dat          | te of test: | 2017-08-31     | 2017-08-31    | 2017-08-31     |
|                  | Condition o             | f sample:   | Acceptable     | Acceptable    | Acceptable     |
| Test Method Used | Analysis Units          |             |                |               |                |
| AMS-AML-303      | Organism Identification |             | Lysinibacillus | Pseudomonas   | Staphylococcus |
|                  |                         |             | fusiformis;    | fluorescens   | aureus         |
|                  |                         |             | Brevundimonas  |               |                |
|                  |                         |             | diminuta       |               |                |

Revision 14

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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### TEST REPORT AMCL17/25640 Report number: M17/4575



|                  |                         |             | Sample         | Sample         | Sample              |
|------------------|-------------------------|-------------|----------------|----------------|---------------------|
|                  | Laboratory              | / number:   | M17/4575/1.10  | M17/4575/1.12  | M17/4575/1.13       |
| +sanas           | San                     | nple type:  | Culture plate  | Culture plate  | Culture plate       |
| Nac-MRA Jalias   | Client sample re        | eference:   | 282C           | 283B           | 284A                |
| TO367            | Commencement dat        | te of test: | 2017-07-07     | 2017-07-07     | 2017-07-07          |
|                  | Completion dat          | te of test: | 2017-08-31     | 2017-08-31     | 2017-08-31          |
|                  | Condition of sample:    |             | Acceptable     | Acceptable     | Acceptable          |
| Test Method Used | Analysis                | Units       |                |                |                     |
| AMS-AML-303      | Organism Identification |             | Staphylococcus | Brevibacterium | Aerococcus viridans |
|                  |                         |             | sciuri         | luteolum       |                     |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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#### Revision 14

# Aspirata Microbiological & Chemical Laboratory

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### TEST REPORT AMCL17/25640 Report number: M17/4575



|                  |                         |            | Sample         | Sample          |  |
|------------------|-------------------------|------------|----------------|-----------------|--|
|                  | Laboratory              | number:    | M17/4575/1.11  | M17/4575/1.14   |  |
| Se Acanac        | San                     | nple type: | Culture plate  | Culture plate   |  |
| Hac MRA Jallas   | Client sample re        | eference:  | 283A           | 284B            |  |
| TO367            | Commencement dat        | e of test: | 2017-07-07     | 2017-07-07      |  |
|                  | Completion dat          | e of test: | 2017-08-31     | 2017-08-31      |  |
|                  | Condition o             | f sample:  | Acceptable     | Acceptable      |  |
| Test Method Used | Analysis                | Units      |                |                 |  |
| AMS-AML-303*     | Organism Identification |            | Streptococcus  | Bacillus cereus |  |
|                  |                         |            | vestibularis;  | group           |  |
|                  |                         |            | Streptococcus  |                 |  |
|                  |                         |            | salivarius ssp |                 |  |
|                  |                         |            | salivarius;    |                 |  |
|                  |                         |            | Streptococcus  |                 |  |
|                  |                         |            | salivarius ssp |                 |  |
|                  |                         |            | thermophilus;  |                 |  |
|                  |                         |            | Streptococcus  |                 |  |
|                  |                         |            | agalactiae     |                 |  |
|                  | Confidence Value        | %          | 33.3%; 33.3%;  | 85.8%           |  |
|                  |                         |            | 33.3%; 85.1%   |                 |  |

#### Comment:

S.aureus; Listeria spp and mono enumeration]

| Approved signatory:                                | Philani Nkosi                        | Quality Microbiologist   | ELABS-                                       |  |  |  |
|--|--------------------------------------|--|--|--|--|--|
|  | Name in full                         | Designation  | Signature                                    |  |  |  |
| NOTES:   |                                      |  |  |  |  |  |
| Cfu: Colony Forming Units                          |                                      | This test report applies only to the   | samples tested.                              |  |  |  |
| ND: Not Detected                                   |                                      | This test report shall not be produced except in full, without the written approval of the Aspirata Microbiological & Chemical Laboratory. |  |  |  |  |
| ND defined as <10Cfu/g/ml or                       |                                      | * Not SANAS Accredited tests and are not included in the SANAS Schedule of<br>Accreditation for this laboratory                            |  |  |  |  |
| <1 Cfu/g/ml  |                                      | ** Opinions and interpretations exp<br>Accreditation   | ressed herein are outside the scope of SANAS |  |  |  |
| ND defined as <100 cfu/ml/g for these tests [B.cer | eus; P.aeruginosa; Campylobacter spp |  |  |  |  |  |

--End of Document--

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4576



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698 (Bag 10)         | Report date: 2017-09-12           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-07 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

|          | <b>4</b> sanas     |
|----------|--------------------|
| Hac-MRA  | Testing Laboratory |
| applator | T0367              |

| E-mail address:  | jnice@csir.co.za        |              |                      |                |                      | _                     |                       |
|------------------|-------------------------|--------------|----------------------|----------------|----------------------|-----------------------|-----------------------|
|                  |                         |              | Sample               | Sample         | Sample               | Sample                | Sample                |
|                  | Laborato                | ry number:   | M17/4576/1.1         | M17/4576/1.2   | M17/4576/1.3         | M17/4576/1.4          | M17/4576/1.5          |
| Serest S         | Sa                      | imple type:  | Culture plate        | Culture plate  | Culture plate        | Culture plate         | Culture plate         |
|                  | Client sample           | reference:   | 285A                 | 285B           | 286A                 | 286B                  | 287A                  |
| TO367            | Commencement d          | ate of test: | 2017-07-07           | 2017-07-07     | 2017-07-07           | 2017-07-07            | 2017-07-07            |
|                  | Completion d            | ate of test: | 2017-08-31           | 2017-08-31     | 2017-08-31           | 2017-08-31            | 2017-08-31            |
|                  | Condition               | of sample:   | Acceptable           | Acceptable     | Acceptable           | Acceptable            | Acceptable            |
| Test Method Used | Analysis                | Units        |                      |                |                      |                       |                       |
| AMS-AML-303      | Organism Identification |              | Spot/Organism Failed | Staphylococcus | Pseudomonas stutzeri | Staphylococcus cohnii | Bacillus cereus group |
|                  |                         |              |                      | haemolyticus   |                      | ssp cohnii            |                       |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

This test report applies only to the samples tested.

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\* Not SANAS Accredited tests and are not included in the SANAS Schedule of Accreditation for this laboratory

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Web address: www.aspirata.co.za

# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4576



Sample Sample Sample Sample Sample Laboratory number: M17/4576/1.6 M17/4576/1.7 M17/4576/1.8 M17/4576/1.9 M17/4576/1.10 Sample type: Culture plate Culture plate Culture plate Culture plate Culture plate Client sample reference: 287B 288A 289A 289B 290A Commencement date of test: 2017-07-07 2017-07-07 2017-07-07 2017-07-07 2017-07-07 Completion date of test: 2017-08-31 2017-08-31 2017-08-31 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable Acceptable Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Spot/Organism Failed Spot/Organism Failed Spot/Organism Failed Spot/Organism Failed Spot/Organism Failed ---

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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2017-09-06

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4576



|                  |                         |              | Sample                | Sample               | Sample        |  |
|------------------|-------------------------|--------------|-----------------------|----------------------|---------------|--|
|                  | Laborato                | ry number:   | M17/4576/1.11         | M17/4576/1.12        | M17/4576/1.13 |  |
| Server 4         | Sa                      | mple type:   | Culture plate         | Culture plate        | Culture plate |  |
| ACC-MICA (Sanas  | Client sample           | reference:   | 290B                  | 290C                 | 291B          |  |
| TO367            | Commencement d          | ate of test: | 2017-07-07            | 2017-07-07           | 2017-07-07    |  |
|                  | Completion d            | ate of test: | 2017-08-31            | 2017-08-31           | 2017-08-31    |  |
|                  | Condition               | of sample:   | Acceptable            | Acceptable           | Acceptable    |  |
| Test Method Used | Analysis                | Units        |                       |                      |               |  |
| AMS-AML-303      | Organism Identification |              | Staphylococcus lentus | Spot/Organism Failed | Pseudomonas   |  |
|                  |                         |              |                       |                      | fluorescens   |  |

Comment: Approved signatory: Name in full Designation Signature

NOTES: Cfu: Colony Forming Units This test report applies only to the samples tested. ND: Not Detected This test report shall not be produced except in full, without the written approval of the Aspirata Microbiological & Chemical Laboratory. ND defined as <10Cfu/g/ml or \* Not SANAS Accredited tests and are not included in the SANAS Schedule of Accreditation for this laboratory <1 Cfu/g/ml \*\* Opinions and interpretations expressed herein are outside the scope of SANAS Accreditation

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

Revision 14

Unit 2, Berkley Office Park, 8 Bauhinia Street, Highveld Technopark, CENTURION PO Box 905, PRETORIA, 0001 Tel: +27 12 685 0800 Fax: +27 12 685 0899 E-mail: Jasomay.pillay@aspirata.co.za Web address: www.aspirata.co.za

# **TEST REPORT**

AMCL17/25640 Report number: M17/4577



#### **CLIENT DETAILS:**

| Client reference / Order number: | 100643698 (Bag 11)          | Report date: 2017-09-12           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-07 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

|                       | <b>esanas</b>               |
|-----------------------|-----------------------------|
| Control of the second | Testing Laboratory<br>T0367 |

|                         |                         |              | Sample               | Sample               | Sample               | Sample             | Sample         |
|-------------------------|-------------------------|--------------|----------------------|----------------------|----------------------|--------------------|----------------|
|                         | Laborato                | ry number:   | M17/4577/1.1         | M17/4577/1.2         | M17/4577/1.3         | M17/4577/1.4       | M17/4577/1.7   |
| Acanac                  | Sa                      | Sample type: |                      | Culture plate        | Culture plate        | Culture plate      | Culture plate  |
| Bac MRA Salido<br>Tosso | Client sample           | reference:   | 292A                 | 292B                 | 292C                 | 293A               | 296A           |
| TO367                   | Commencement d          | ate of test: | 2017-07-07           | 2017-07-07           | 2017-07-07           | 2017-07-07         | 2017-07-07     |
|                         | Completion d            | ate of test: | 2017-08-31           | 2017-08-31           | 2017-08-31           | 2017-08-31         | 2017-08-31     |
|                         | Condition               | of sample:   | Acceptable           | Acceptable           | Acceptable           | Acceptable         | Acceptable     |
| Test Method Used        | Analysis                | Units        |                      |                      |                      |                    |                |
| AMS-AML-303             | Organism Identification |              | Spot/Organism failed | Spot/Organism failed | Spot/Organism failed | Lactococcus lactis | Staphylococcus |
|                         |                         |              |                      |                      |                      |                    | epidermidis    |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4577



Sample Sample Sample Sample Sample Laboratory number: M17/4577/1.8 M17/4577/1.9 M17/4577/1.10 M17/4577/1.11 M17/4577/1.12 Sample type: Culture plate Culture plate Culture plate Culture plate Culture plate Client sample reference: 296B 296C 296D 297A 297B Commencement date of test: 2017-07-07 2017-07-07 2017-07-07 2017-07-07 2017-07-07 Completion date of test: 2017-08-31 2017-08-31 2017-08-31 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable Acceptable Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Spot/Organism failed Bacillus Bacillus Spot/Organism failed Spot/Organism failed --altitudinis/pumilus altitudinis/pumilus

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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2017-09-06

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### **TEST REPORT**

AMCL17/25640 Report number: M17/4577



|                  |                         |                            | Sample               |   |  |  |
|------------------|-------------------------|----------------------------|----------------------|---|--|--|
|                  | Laboratory              | y number:                  | M17/4577/1.13        |   |  |  |
| sanas            | Sar                     | mple type:                 | Culture plate        | 1 |  |  |
| TO367            | Client sample re        | eference:                  | 297C                 |   |  |  |
| TO367            | Commencement də         | Commencement date of test: |                      | · |  |  |
|                  | Completion da           | Completion date of test:   |                      | · |  |  |
|                  | Condition o             | of sample:                 | Acceptable           | · |  |  |
| Test Method Used | Analysis                | Units                      |                      |   |  |  |
| AMS-AML-303      | Organism Identification |                            | Spot/Organism failed |   |  |  |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4577



|                  | Sample                  |              |                       |  |  |  |  |
|------------------|-------------------------|--------------|-----------------------|--|--|--|--|
|                  | Laborator               | y number:    | M17/4577/1.5          |  |  |  |  |
| Canac            | Sa                      | mple type:   | Culture plate         |  |  |  |  |
| Sanas            | Client sample           | reference:   | 293B                  |  |  |  |  |
| Togardian Togar  | Commencement da         | ate of test: | 2017-07-07            |  |  |  |  |
|                  | Completion da           | ate of test: | 2017-08-31            |  |  |  |  |
|                  | Condition of sample:    |              | Acceptable            |  |  |  |  |
| Test Method Used | Analysis                | Units        |                       |  |  |  |  |
| AMS-AML-303      | Organism Identification |              | Leclercia             |  |  |  |  |
|                  |                         |              | adecarboxylata        |  |  |  |  |
| AMS-AML-303*     | Organism Identification |              | 34.6%; 31.9%; 33.4;   |  |  |  |  |
|                  | Confidence Value        | %            | Enterococcus          |  |  |  |  |
|                  |                         |              | gallinarum;           |  |  |  |  |
|                  |                         |              | Streptococcus         |  |  |  |  |
|                  |                         |              | pneumoniae;           |  |  |  |  |
|                  |                         |              | Clostridium difficile |  |  |  |  |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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### **TEST REPORT**

#### AMCL17/25640 Report number: M17/4577



Sample Sample Laboratory number: M17/4577/1.6 M17/4577/1.14 Sample type: Culture plate Culture plate Client sample reference: 295A 297D Commencement date of test: 2017-07-07 2017-07-07 Completion date of test: 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303\* Organism Identification 49.2% 50.0%: 50.0% ---Confidence Value % Serratia marcescens Serratia liquefaciens; ---Serratia grimesii

Comment: Philani Nkosi Quality Microbiologist Approved signatory: \_\_\_\_\_ Name in full

Designation

Signature

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4578



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000643698 (Bag 12)         | Report date: 2017-09-12           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-07 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

|            | <b>e</b> sanas     |
|------------|--------------------|
| Hacimera   | Testing Laboratory |
| Mahahalala | T0367              |

|                  |                            |       | Sample             | Sample               | Sample               | Sample                | Sample                |
|------------------|----------------------------|-------|--------------------|----------------------|----------------------|-----------------------|-----------------------|
|                  | Laboratory number:         |       | M17/4578/1.1       | M17/4578/1.2         | M17/4578/1.3         | M17/4578/1.4          | M17/4578/1.5          |
| Canac            | Sample type:               |       | Culture plate      | Culture plate        | Culture plate        | Culture plate         | Culture plate         |
| TO367            | Client sample reference:   |       | 298A               | 298B                 | 298C                 | 299A                  | 299B                  |
|                  | Commencement date of test: |       | 2017-07-07         | 2017-07-07           | 2017-07-07           | 2017-07-07            | 2017-07-07            |
|                  | Completion date of test:   |       | 2017-08-31         | 2017-08-31           | 2017-08-31           | 2017-08-31            | 2017-08-31            |
|                  | Condition of sample:       |       | Acceptable         | Acceptable           | Acceptable           | Acceptable            | Acceptable            |
| Test Method Used | Analysis                   | Units |                    |                      |                      |                       |                       |
| AMS-AML-303      | Organism Identification    |       | Pseudomonas putida | Pseudomonas stutzeri | Pseudomonas stutzeri | Spot /organism failed | Bacillus cereus group |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4578



|   |                            |                    | Sample               |  |   |
|---|----------------------------|--------------------|----------------------|--|---|
| 10000                                       | Laborator                  | Laboratory number: |                      |  |   |
| Serest S                                    | Sar                        | mple type:         | Culture plate        |  |   |
| BC-MRA Salido<br>Herteg Laboratory<br>T0367 | Client sample reference:   |                    | 299C                 |  |   |
| T0367                                       | Commencement date of test: |                    | 2017-07-07           |  |   |
|   | Completion date of test:   |                    | 2017-08-31           |  |   |
|   | Condition o                | of sample:         | Acceptable           |  |   |
| Test Method Used                            | Analysis                   | Units              |                      |  |   |
| AMS-AML-303                                 | Organism Identification    |                    | Enterococcus faecium |  |   |
|   |                            |                    |                      |  | • |

| Comment:            |               |                        | Acto      |
|---------------------|---------------|------------------------|-----------|
| Approved signatory: | Philani Nkosi | Quality Microbiologist | CLAD9     |
|                     |               |                        |           |
|                     | Name in full  | Designation            | Signature |

#### NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

ND defined as <100 cfu/ml/g for these tests [B.cereus; P.aeruginosa; Campylobacter spp; S.aureus; Listeria spp and mono enumeration]

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# **TEST REPORT**

AMCL17/25640 Report number: M17/4579



#### **CLIENT DETAILS:**

| Client reference / Order number: | 05/07/17 (Bag 13)           | Report date: 2017-09-04           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-07-05         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-07-05 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

|             | <b>esanas</b>               |
|-------------|-----------------------------|
| Catalanta A | Testing Laboratory<br>T0367 |

|                  |                            |            | Sample             | Sample        | Sample         | Sample        | Sample        |
|------------------|----------------------------|------------|--------------------|---------------|----------------|---------------|---------------|
|                  | Laborato                   | ry number: | M17/4579/1.1       | M17/4579/1.2  | M17/4579/1.3   | M17/4579/1.4  | M17/4579/1.5  |
| Senac 4 canac    | Sa                         | mple type: | Culture plate      | Culture plate | Culture plate  | Culture plate | Culture plate |
|                  | Client sample reference:   |            | 237A               | 237B          | 27 A           | 25 A          | 29 A          |
| TO367            | Commencement date of test: |            | 2017-07-05         | 2017-07-05    | 2017-07-05     | 2017-07-05    | 2017-07-05    |
|                  | Completion date of test:   |            | 2017-08-31         | 2017-08-31    | 2017-08-31     | 2017-08-31    | 2017-08-31    |
|                  | Condition of sample:       |            | Acceptable         | Acceptable    | Acceptable     | Acceptable    | Acceptable    |
| Test Method Used | Analysis                   | Units      |                    |               |                |               |               |
| AMS-AML-303      | Organism Identification    |            | Pseudomonas putida | Pseudomonas   | Staphylococcus | Pseudomonas   | Pseudomonas   |
|                  |                            |            |                    | fluorescens   | epidermidis    | fluorescens   | fluorescens   |

#### NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or <1 Cfu/g/ml

This test report applies only to the samples tested.

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\* Not SANAS Accredited tests and are not included in the SANAS Schedule of Accreditation for this laboratory

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4579



Sample Sample Sample Sample Sample Laboratory number: M17/4579/1.6 M17/4579/1.7 M17/4579/1.8 M17/4579/1.9 M17/4579/1.10 Sample type: Culture plate Culture plate Culture plate Culture plate Culture plate Client sample reference: 230A 230B 233A 233B 294A Commencement date of test: 2017-07-05 2017-07-05 2017-07-05 2017-07-05 2017-07-05 2017-08-31 2017-08-31 2017-08-31 Completion date of test: 2017-08-31 2017-08-31 Condition of sample: Acceptable Acceptable Acceptable Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Delftia acidovorans Pantoea agglomerans Pseudomonas Pseudomonas putida ; Psedomonas putida --fluorescens Staphilococcus capitis

NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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# **TEST REPORT**

#### AMCL17/25640 Report number: M17/4579



|                  |  |             | Sample        | Sample        |  |  |
|------------------|--|-------------|---------------|---------------|--|--|
|                  | Laborato                                     | ry number:  | M17/4579/1.11 | M17/4579/1.12 |  |  |
| Senac 4          | Sa   | ample type: | Culture plate | Culture plate |  |  |
|                  | Client sample reference:                     |             | 296A          | 235A          |  |  |
| TO367            | Commencement date of test:                   |             | 2017-07-05    | 2017-07-05    |  |  |
|                  | Completion date of test:                     |             | 2017-08-31    | 2017-08-31    |  |  |
|                  | Condition of sample:                         |             | Acceptable    | Acceptable    |  |  |
| Test Method Used | Analysis                                     | Units       |               |               |  |  |
| AMS-AML-303      | Organism Identification                      |             | Pseudomonas   | Pseudomonas   |  |  |
|                  | <u>.                                    </u> |             | fluorescens   | fluorescens   |  |  |

Comment: **Quality Microbiologist** Approved signatory: Philani Nkosi \_\_\_\_\_

Name in full

Designation

Signature

NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or <1 Cfu/g/ml This test report applies only to the samples tested.

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# **TEST REPORT**

AMCL17/24690 Report number: M17/1177



#### CLIENT DETAILS:

| Client reference / Order number: | 1000624089                  | Report date: 2017-04-06           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-02-20         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-02-20 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            |                                   |

|                  |                            |            | Sample               | Sample              | Sample             | Sample           | Sample               |
|------------------|----------------------------|------------|----------------------|---------------------|--------------------|------------------|----------------------|
|                  | Laborator                  | y number:  | M17/1177/1.1         | M17/1177/1.2        | M17/1177/1.3       | M17/1177/1.4     | M17/1177/1.5         |
| A sanac          | Sa                         | mple type: | Culture plate        | Culture plate       | Culture plate      | Culture plate    | Culture plate        |
| TO367            | Client sample reference:   |            | 1A                   | 1B                  | 2A                 | 2B               | 2C                   |
|                  | Commencement date of test: |            | 2017-02-21           | 2017-02-21          | 2017-02-21         | 2017-02-21       | 2017-02-21           |
|                  | Completion date of test:   |            | 2017-03-24           | 2017-03-24          | 2017-03-24         | 2017-03-24       | 2017-03-24           |
|                  | Condition                  | of sample: | Acceptable           | Acceptable          | Acceptable         | Acceptable       | Acceptable           |
| Test Method Used | Analysis                   | Units      |                      |                     |                    |                  |                      |
| AMS-AML-303      | Organism Identification    |            | Paenibacillus        | Bacillus            | Kocuria rhizophila | Failed/ Spot Red | Pseudomonas stutzeri |
|                  |                            |            | glucanolyticus 99.9% | altitudinis/pumilus | 99.9%              |                  | 99.9%                |
|                  |                            |            |                      | 99.9%               |                    |                  |                      |

#### NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                          |             | Sample             | Sample                | Sample            | Sample           | Sample                  |
|------------------|--------------------------|-------------|--------------------|-----------------------|-------------------|------------------|-------------------------|
|                  | Laborator                | y number:   | M17/1177/1.6       | M17/1177/1.7          | M17/1177/1.8      | M17/1177/1.9     | M17/1177/1.10           |
| +sanas           | Sar                      | nple type:  | Culture plate      | Culture plate         | Culture plate     | Culture plate    | Culture plate           |
| Bacine Salias    | Client sample r          | eference:   | 2D                 | 3A                    | 3B                | 4A               | 4B                      |
| T0367            | Commencement da          | te of test: | 2017-02-21         | 2017-02-21            | 2017-02-21        | 2017-02-21       | 2017-02-21              |
|                  | Completion date of test: |             | 2017-03-24         | 2017-03-24            | 2017-03-24        | 2017-03-24       | 2017-03-24              |
|                  | Condition of             | of sample:  | Acceptable         | Acceptable            | Acceptable        | Acceptable       | Acceptable              |
| Test Method Used | Analysis                 | Units       |                    |                       |                   |                  |                         |
| AMS-AML-303      | Organism Identification  |             | Micrococcus luteus | Bacillus cereus group | Achromobacter     | Bacillus simplex | Bacillus subtilis 33.3% |
|                  |                          |             | 99.9%              | 99.9%                 | xylosoxidans 50.0 | 99.9%            |                         |

Revision 12

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                          |              | Sample         | Sample                 | Sample            | Sample         | Sample              |
|------------------|--------------------------|--------------|----------------|------------------------|-------------------|----------------|---------------------|
|                  | Laborator                | y number:    | M17/1177/1.11  | M17/1177/1.12          | M17/1177/1.13     | M17/1177/1.14  | M17/1177/1.15       |
| <b>F</b> sanas   | Sai                      | mple type:   | Culture plate  | Culture plate          | Culture plate     | Culture plate  | Culture plate       |
|                  | Client sample r          | reference:   | 4C             | 4D                     | 5A                | 5B             | 5C                  |
| T0367            | Commencement da          | ate of test: | 2017-02-21     | 2017-02-21             | 2017-02-21        | 2017-02-21     | 2017-02-21          |
|                  | Completion date of test: |              | 2017-03-24     | 2017-03-24             | 2017-03-24        | 2017-03-24     | 2017-03-24          |
|                  | Condition                | of sample:   | Acceptable     | Acceptable             | Acceptable        | Acceptable     | Acceptable          |
| Test Method Used | Analysis                 | Units        |                |                        |                   |                |                     |
| AMS-AML-303      | Organism Identification  |              | Cariobacterium | Bacillus licheniformis | Pseudomonas       | Brevundimonas  | Clostrium butyricum |
|                  |                          |              | hominis 99.9%  | 99.9%                  | fluorescens 99.6% | diminuta 99.9% | 99.9%               |

Revision 12

NOTES:

<1 Cfu/g/ml

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/g/ml or This test report applies only to the samples tested.

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|  |                          |             | Sample                | Sample          | Sample           | Sample         | Sample                |
|--|--------------------------|-------------|-----------------------|-----------------|------------------|----------------|-----------------------|
| Rac-MICA<br>(Sanas<br>Justing Laborator<br>T0367 | Laborator                | y number:   | M17/1177/1.16         | M17/1177/1.17   | M17/1177/1.18    | M17/1177/1.19  | M17/1177/1.20         |
|  | Sar                      | mple type:  | Culture plate         | Culture plate   | Culture plate    | Culture plate  | Culture plate         |
|  | Client sample r          | eference:   | 6A                    | 7A              | 7B               | 7C             | 8A                    |
|  | Commencement da          | te of test: | 2017-02-21            | 2017-02-21      | 2017-02-21       | 2017-02-21     | 2017-02-21            |
|  | Completion date of test: |             | 2017-03-24            | 2017-03-24      | 2017-03-24       | 2017-03-24     | 2017-03-24            |
|  | Condition of             | of sample:  | Acceptable            | Acceptable      | Acceptable       | Acceptable     | Acceptable            |
| Test Method Used                                 | Analysis                 | Units       |                       |                 |                  |                |                       |
| AMS-AML-303                                      | Organism Identification  |             | Bacillus cereus group | Cardiobacterium | Bacillus simplex | Staphylococcus | Staphylococcus sciuri |
|  |                          |             | 99.9%                 | hominis 99.9%   | 99.9%            | capitis 99.9%  | 99.9%                 |

NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                                     |                          |             | Sample                 | Sample               | Sample           | Sample               | Sample            |
|-------------------------------------|--------------------------|-------------|------------------------|----------------------|------------------|----------------------|-------------------|
|                                     | Laborator                | y number:   | M17/1177/1.21          | M17/1177/1.22        | M17/1177/1.23    | M17/1177/1.24        | M17/1177/1.25     |
| Acanac                              | Sar                      | mple type:  | Culture plate          | Culture plate        | Culture plate    | Culture plate        | Culture plate     |
| Sanas<br>rening Laboratory<br>T0367 | Client sample r          | eference:   | 8B                     | 8C                   | 8D               | 9A                   | 9B                |
|                                     | Commencement da          | te of test: | 2017-02-21             | 2017-02-21           | 2017-02-21       | 2017-02-21           | 2017-02-21        |
|                                     | Completion date of test: |             | 2017-03-24             | 2017-03-24           | 2017-03-24       | 2017-03-24           | 2017-03-24        |
|                                     | Condition of             | of sample:  | Acceptable             | Acceptable           | Acceptable       | Acceptable           | Acceptable        |
| Test Method Used                    | Analysis                 | Units       |                        |                      |                  |                      |                   |
| AMS-AML-303                         | Organism Identification  |             | Bacillus licheniformis | Pseudomonas stutzeri | Failed/ Spot Red | Pseudomonas stutzeri | Pseudomonas       |
|                                     |                          |             | 99.9%                  | 99.8%                |                  | 99.9%                | fluorescens 99.6% |

NOTES:

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# **TEST REPORT**

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|                  |                          |              | Sample                | Sample             | Sample           | Sample                  | Sample               |
|------------------|--------------------------|--------------|-----------------------|--------------------|------------------|-------------------------|----------------------|
| Acanac           | Laborator                | y number:    | M17/1177/1.26         | M17/1177/1.27      | M17/1177/1.28    | M17/1177/1.29           | M17/1177/1.30        |
|                  | Sa                       | mple type:   | Culture plate         | Culture plate      | Culture plate    | Culture plate           | Culture plate        |
|                  | Client sample            | reference:   | 9C                    | 9D                 | 10A              | 10B                     | 10C                  |
| TO367            | Commencement da          | ate of test: | 2017-02-21            | 2017-02-21         | 2017-02-21       | 2017-02-21              | 2017-02-21           |
|                  | Completion date of test: |              | 2017-03-24            | 2017-03-24         | 2017-03-24       | 2017-03-24              | 2017-03-24           |
|                  | Condition                | of sample:   | Acceptable            | Acceptable         | Acceptable       | Acceptable              | Acceptable           |
| Test Method Used | Analysis                 | Units        |                       |                    |                  |                         |                      |
| AMS-AML-303      | Organism Identification  |              | Cryptococcus          | Micrococcus luteus | Lysinibacillus   | Bacillus subtilis 33.3% | Pseudomonas stutzeri |
|                  |                          |              | uniguttulatus (Fungi) | 99.9%              | sphaericus 50.0% |                         | 99.9%                |
|                  |                          |              | 99.9%                 |                    |                  |                         |                      |

NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                         |                          | Sample            | Sample          | Sample          | Sample               | Sample             |
|------------------|-------------------------|--------------------------|-------------------|-----------------|-----------------|----------------------|--------------------|
| Second           | Laborato                | ry number:               | M17/1177/1.31     | M17/1177/1.32   | M17/1177/1.33   | M17/1177/1.34        | M17/1177/1.35      |
|                  | Sa                      | imple type:              | Culture plate     | Culture plate   | Culture plate   | Culture plate        | Culture plate      |
|                  | Client sample           | reference:               | 10D               | 11A             | 11B             | 11C                  | 12A                |
| TO367            | T0367 Commencement da   |                          | 2017-02-21        | 2017-02-21      | 2017-02-21      | 2017-02-21           | 2017-02-21         |
|                  | Completion d            | Completion date of test: |                   | 2017-03-24      | 2017-03-24      | 2017-03-24           | 2017-03-24         |
|                  | Condition               | of sample:               | Acceptable        | Acceptable      | Acceptable      | Acceptable           | Acceptable         |
| Test Method Used | Analysis                | Units                    |                   |                 |                 |                      |                    |
| AMS-AML-303      | Organism Identification |                          | Bacillus          | Psychrobacter   | Psychrobacter   | Candida dubliniensis | Achromobacter      |
|                  |                         |                          | sporothermodurans | phenylpyruvicus | phenylpyruvicus | 99.9%;Pseudomonas    | xylosoxidans 50.0% |
|                  |                         |                          | 99.9%             | 99.9%           | 99.9%           | stutzeri 99.9%       |                    |

NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                                    |                          |                            | Sample            | Sample                | Sample            | Sample              | Sample               |
|------------------------------------|--------------------------|----------------------------|-------------------|-----------------------|-------------------|---------------------|----------------------|
| Sanas<br>Internet Control<br>Toger | Laborator                | y number:                  | M17/1177/1.36     | M17/1177/1.37         | M17/1177/1.38     | M17/1177/1.39       | M17/1177/1.40        |
|                                    | Sa                       | mple type:                 | Culture plate     | Culture plate         | Culture plate     | Culture plate       | Culture plate        |
|                                    | Client sample r          | reference:                 | 12B               | 13A                   | 13B               | 13C                 | 14A                  |
|                                    | Commencement da          | Commencement date of test: |                   | 2017-02-21            | 2017-02-21        | 2017-02-21          | 2017-02-21           |
|                                    | Completion date of test: |                            | 2017-03-24        | 2017-03-24            | 2017-03-24        | 2017-03-24          | 2017-03-24           |
|                                    | Condition                | of sample:                 | Acceptable        | Acceptable            | Acceptable        | Acceptable          | Acceptable           |
| Test Method Used                   | Analysis                 | Units                      |                   |                       |                   |                     |                      |
| AMS-AML-303                        | Organism Identification  |                            | Pseudomonas       | Bacillus cereus group | Achromobacter     | Bordetella trematum | Providencia rettgeri |
|                                    |                          |                            | flourescens 99.7% | 99.9%                 | denitricans 50.0% | 99.9%               | 99.9%                |

NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                                    |                          |                            | Sample          | Sample          | Sample              | Sample               | Sample            |
|------------------------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------|----------------------|-------------------|
| Sanas<br>refig Laboratory<br>T0367 | Laborator                | y number:                  | M17/1177/1.41   | M17/1177/1.42   | M17/1177/1.43       | M17/1177/1.44        | M17/1177/1.45     |
|                                    | Sa                       | mple type:                 | Culture plate   | Culture plate   | Culture plate       | Culture plate        | Culture plate     |
|                                    | Client sample r          | reference:                 | 15A             | 16A             | 16B                 | 17A                  | 18A               |
|                                    | Commencement da          | Commencement date of test: |                 | 2017-02-21      | 2017-02-21          | 2017-02-21           | 2017-02-21        |
|                                    | Completion date of test: |                            | 2017-03-24      | 2017-03-24      | 2017-03-24          | 2017-03-24           | 2017-03-24        |
|                                    | Condition                | of sample:                 | Acceptable      | Acceptable      | Acceptable          | Acceptable           | Acceptable        |
| Test Method Used                   | Analysis                 | Units                      |                 |                 |                     |                      |                   |
| AMS-AML-303                        | Organism Identification  |                            | Proteus penneri | Proteus penneri | Pantoea agglomerans | Providencia rettgeri | Pseudomonas       |
|                                    |                          |                            | 50.0%           | 50.0%           | 99.9%               | 99.9%                | fluorescens 99.9% |

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                          |             | Sample          | Sample              | Sample            | Sample          | Sample              |
|------------------|--------------------------|-------------|-----------------|---------------------|-------------------|-----------------|---------------------|
| Canac            | Laborator                | y number:   | M17/1177/1.46   | M17/1177/1.47       | M17/1177/1.48     | M17/1177/1.49   | M17/1177/1.50       |
|                  | Sa                       | mple type:  | Culture plate   | Culture plate       | Culture plate     | Culture plate   | Culture plate       |
| Nac-MRA Sanas    | Client sample            | eference:   | 19A             | 19B                 | 19C               | 19D             | 19E                 |
| TO367            | Commencement da          | te of test: | 2017-02-21      | 2017-02-21          | 2017-02-21        | 2017-02-21      | 2017-02-21          |
|                  | Completion date of test: |             | 2017-03-24      | 2017-03-24          | 2017-03-24        | 2017-03-24      | 2017-03-24          |
|                  | Condition                | of sample:  | Acceptable      | Acceptable          | Acceptable        | Acceptable      | Acceptable          |
| Test Method Used | Analysis                 | Units       |                 |                     |                   |                 |                     |
| AMS-AML-303      | Organism Identification  |             | Psychrobacter   | Kocuria rosea 99.9% | Pseudomonas       | Proteus penneri | Kocuria rosea 38.8% |
|                  |                          |             | phenylpyruvicus |                     | fluorescens 99.9% | 50.0%           |                     |
|                  |                          |             | 99.9%           |                     |                   |                 |                     |

Revision 12

NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                                       |                          |              | Sample           | Sample           | Sample           | Sample             | Sample           |
|---------------------------------------|--------------------------|--------------|------------------|------------------|------------------|--------------------|------------------|
| Sanas<br>Internet Laboratory<br>T0367 | Laborator                | y number:    | M17/1177/1.51    | M17/1177/1.52    | M17/1177/1.53    | M17/1177/1.54      | M17/1177/1.55    |
|                                       | Sai                      | mple type:   | Culture plate    | Culture plate    | Culture plate    | Culture plate      | Culture plate    |
|                                       | Client sample r          | reference:   | 20A              | 20B              | 20C              | 20D                | 20E              |
|                                       | Commencement da          | ate of test: | 2017-02-21       | 2017-02-21       | 2017-02-21       | 2017-02-21         | 2017-02-21       |
|                                       | Completion date of test: |              | 2017-03-24       | 2017-03-24       | 2017-03-24       | 2017-03-24         | 2017-03-24       |
|                                       | Condition                | of sample:   | Acceptable       | Acceptable       | Acceptable       | Acceptable         | Acceptable       |
| Test Method Used                      | Analysis                 | Units        |                  |                  |                  |                    |                  |
| AMS-AML-303                           | Organism Identification  |              | Proteus vulgaris | Proteus vulgaris | Failed/ Spot Red | Staphylococcus     | Failed/ Spot Red |
|                                       |                          |              | 50.0%            | 50.0%            |                  | haemolyticus 99.9% |                  |

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|  |                          |             | Sample           | Sample                | Sample               | Sample               | Sample                |
|--|--------------------------|-------------|------------------|-----------------------|----------------------|----------------------|-----------------------|
|  | Laborator                | y number:   | M17/1177/1.56    | M17/1177/1.57         | M17/1177/1.58        | M17/1177/1.59        | M17/1177/1.60         |
| Serest S   | Sar                      | mple type:  | Culture plate    | Culture plate         | Culture plate        | Culture plate        | Culture plate         |
| RECEIMERA<br>Estimation to a final statement of the stateme | Client sample r          | eference:   | 21A              | 21B                   | 22A                  | 22B                  | 22C                   |
|  | Commencement da          | te of test: | 2017-02-21       | 2017-02-21            | 2017-02-21           | 2017-02-21           | 2017-02-21            |
|  | Completion date of test: |             | 2017-03-24       | 2017-03-24            | 2017-03-24           | 2017-03-24           | 2017-03-24            |
|  | Condition of             | of sample:  | Acceptable       | Acceptable            | Acceptable           | Acceptable           | Acceptable            |
| Test Method Used   | Analysis                 | Units       |                  |                       |                      |                      |                       |
| AMS-AML-303  | Organism Identification  |             | Failed/ Spot Red | Bacillus cereus group | Acinetobacter lwoffi | Providencia rettgeri | Enterobacter ludwigii |
|  |                          |             |                  | 99.9%                 | 99.2%                | 99.9%                | 99.8%                 |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

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<1 Cfu/g/ml

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                          |             | Sample          | Sample               | Sample               | Sample          | Sample              |
|------------------|--------------------------|-------------|-----------------|----------------------|----------------------|-----------------|---------------------|
| sanas            | Laborator                | y number:   | M17/1177/1.61   | M17/1177/1.62        | M17/1177/1.63        | M17/1177/1.64   | M17/1177/1.65       |
|                  | Sai                      | mple type:  | Culture plate   | Culture plate        | Culture plate        | Culture plate   | Culture plate       |
|                  | Client sample r          | eference:   | 23A             | 23B                  | 23C                  | 23D             | 23E                 |
| TO367            | Commencement da          | te of test: | 2017-02-21      | 2017-02-21           | 2017-02-21           | 2017-02-21      | 2017-02-21          |
|                  | Completion date of test: |             | 2017-03-24      | 2017-03-24           | 2017-03-24           | 2017-03-24      | 2017-03-24          |
|                  | Condition of             | of sample:  | Acceptable      | Acceptable           | Acceptable           | Acceptable      | Acceptable          |
| Test Method Used | Analysis                 | Units       |                 |                      |                      |                 |                     |
| AMS-AML-303      | Organism Identification  |             | Psychrobacter   | Pseudomonas stutzeri | Acinetobacter Iwoffi | Psychrobacter   | Aspergillus terreus |
|                  |                          |             | phenylpyruvicus | 99.9%                | 99.9%                | phenylpyruvicus | complex 66.7%;      |
|                  |                          |             | 99.9%           |                      |                      | 99.9%           | Pseudomonas         |
|                  |                          |             |                 |                      |                      |                 | chlororaphis 99.9%  |

NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                          |              | Sample             | Sample             | Sample               | Sample             | Sample          |
|------------------|--------------------------|--------------|--------------------|--------------------|----------------------|--------------------|-----------------|
| 500000           | Laboratory number:       |              | M17/1177/1.66      | M17/1177/1.67      | M17/1177/1.68        | M17/1177/1.69      | M17/1177/1.70   |
| Canac            | Sar                      | mple type:   | Culture plate      | Culture plate      | Culture plate        | Culture plate      | Culture plate   |
|                  | Client sample r          | eference:    | 24A                | 30A                | 31A                  | 32A                | 32B             |
| TO367            | Commencement da          | ite of test: | 2017-02-21         | 2017-02-21         | 2017-02-21           | 2017-02-21         | 2017-02-21      |
|                  | Completion date of test: |              | 2017-03-24         | 2017-03-24         | 2017-03-24           | 2017-03-24         | 2017-03-24      |
|                  | Condition of             | of sample:   | Acceptable         | Acceptable         | Acceptable           | Acceptable         | Acceptable      |
| Test Method Used | Analysis                 | Units        |                    |                    |                      |                    |                 |
| AMS-AML-303      | Organism Identification  |              | Myroides spp 99.9% | Myroides spp 33.6% | Proteus vulgaris     | Achromobacter      | Proteus penneri |
|                  |                          |              |                    |                    | 50.0%; Proteus       | xylosoxidans 50.0% | 50.0%           |
|                  |                          |              |                    |                    | penneri 50.0%;       |                    |                 |
|                  |                          |              |                    |                    | Providencia rettgeri |                    |                 |
|                  |                          |              |                    |                    | 99.9%                |                    |                 |

NOTES:

Cfu: Colony Forming Units

ND: Not Detected

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                            |            | Sample           | Sample               | Sample          | Sample           | Sample                 |
|------------------|----------------------------|------------|------------------|----------------------|-----------------|------------------|------------------------|
|                  | Laborator                  | y number:  | M17/1177/1.71    | M17/1177/1.72        | M17/1177/1.73   | M17/1177/1.74    | M17/1177/1.75          |
| <b>fsanas</b>    | Sa                         | mple type: | Culture plate    | Culture plate        | Culture plate   | Culture plate    | Culture plate          |
|                  | Client sample reference:   |            | 32C              | 32D                  | 32E             | 33A              | 33B                    |
| TO367            | Commencement date of test: |            | 2017-02-21       | 2017-02-21           | 2017-02-21      | 2017-02-21       | 2017-02-21             |
|                  | Completion date of test:   |            | 2017-03-24       | 2017-03-24           | 2017-03-24      | 2017-03-24       | 2017-03-24             |
|                  | Condition                  | of sample: | Acceptable       | Acceptable           | Acceptable      | Acceptable       | Acceptable             |
| Test Method Used | Analysis                   | Units      |                  |                      |                 |                  |                        |
| AMS-AML-303      | Organism Identification    |            | Proteus vulgaris | Providencia rettgeri | Proteus penneri | Failed/ Spot Red | Acinetobacter Iwoffiii |
|                  |                            |            | 50.0%            | 33.3%                | 50.0%           |                  | 97.3%                  |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                            |                    | Sample               | Sample         | Sample               | Sample                | Sample           |
|------------------|----------------------------|--------------------|----------------------|----------------|----------------------|-----------------------|------------------|
|                  | Laborator                  | Laboratory number: |                      | M17/1177/1.77  | M17/1177/1.78        | M17/1177/1.79         | M17/1177/1.80    |
| Serest S         | Sa                         | mple type:         | Culture plate        | Culture plate  | Culture plate        | Culture plate         | Culture plate    |
|                  | Client sample reference:   |                    | 33C                  | 34A            | 34B                  | 34C                   | 34D              |
| TO367            | Commencement date of test: |                    | 2017-02-21           | 2017-02-21     | 2017-02-21           | 2017-02-21            | 2017-02-21       |
|                  | Completion date of test:   |                    | 2017-03-24           | 2017-03-24     | 2017-03-24           | 2017-03-24            | 2017-03-24       |
|                  | Condition                  | of sample:         | Acceptable           | Acceptable     | Acceptable           | Acceptable            | Acceptable       |
| Test Method Used | Analysis                   | Units              |                      |                |                      |                       |                  |
| AMS-AML-303      | Organism Identification    |                    | Pseudomonas stutzeri | Brevundimonas  | Pseudomonas stutzeri | Bacillus cereus group | Failed/ Spot Red |
|                  |                            |                    | 99.9%; Bacillus      | diminuta 99.9% | 50.0%                | 99.9%                 |                  |
|                  |                            |                    | cereus group 98.8%   |                |                      |                       |                  |

NOTES:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                          |                            | Sample           | Sample          | Sample                | Sample           | Sample              |
|------------------|--------------------------|----------------------------|------------------|-----------------|-----------------------|------------------|---------------------|
| 37.3476          | Laborator                | y number:                  | M17/1177/1.81    | M17/1177/1.82   | M17/1177/1.83         | M17/1177/1.84    | M17/1177/1.85       |
| A sanac          | Sa                       | mple type:                 | Culture plate    | Culture plate   | Culture plate         | Culture plate    | Culture plate       |
|                  | Client sample r          | eference:                  | 35A              | 36A             | 36B                   | 36C              | 36D                 |
| TO367            | Commencement da          | Commencement date of test: |                  | 2017-02-21      | 2017-02-21            | 2017-02-21       | 2017-02-21          |
|                  | Completion date of test: |                            | 2017-03-24       | 2017-03-24      | 2017-03-24            | 2017-03-24       | 2017-03-24          |
|                  | Condition                | of sample:                 | Acceptable       | Acceptable      | Acceptable            | Acceptable       | Acceptable          |
| Test Method Used | Analysis                 | Units                      |                  |                 |                       |                  |                     |
| AMS-AML-303      | Organism Identification  |                            | Failed/ Spot Red | Psychrobacter   | Acinetobacter         | Failed/ Spot Red | Bacillus            |
|                  |                          |                            |                  | phenylpyruvicus | radioresistens 99.9%; |                  | altitudinis/pumilus |
|                  |                          |                            |                  | 50.0%           | Bacillus              |                  | 99.9%               |
|                  |                          |                            |                  |                 | altitudinis/pumilus   |                  |                     |
|                  |                          |                            |                  |                 | 99.9%                 |                  |                     |

NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|   |                            |            | Sample           | Sample             | Sample                | Sample               | Sample         |
|---|----------------------------|------------|------------------|--------------------|-----------------------|----------------------|----------------|
| 0.0024190   | Laborator                  | y number:  | M17/1177/1.86    | M17/1177/1.87      | M17/1177/1.88         | M17/1177/1.89        | M17/1177/1.90  |
| +sanas  | Sa                         | mple type: | Culture plate    | Culture plate      | Culture plate         | Culture plate        | Culture plate  |
| Bac-MRA<br>Instructional Instructional Instruct | Client sample reference:   |            | 37A              | 37B                | 37C                   | 38A                  | 38B            |
| Togar   | Commencement date of test: |            | 2017-02-21       | 2017-02-21         | 2017-02-21            | 2017-02-21           | 2017-02-21     |
|   | Completion date of test:   |            | 2017-03-24       | 2017-03-24         | 2017-03-24            | 2017-03-24           | 2017-03-24     |
|   | Condition                  | of sample: | Acceptable       | Acceptable         | Acceptable            | Acceptable           | Acceptable     |
| Test Method Used  | Analysis                   | Units      |                  |                    |                       |                      |                |
| AMS-AML-303   | Organism Identification    |            | Failed/ Spot Red | Cellulosimicrobium | Acinetobacter Iwoffii | Pseudomonas stutzeri | Brevundimonas  |
|   |                            |            |                  | cellulans 99.9%    | 99.9%                 | 99.9%                | diminuta 99.9% |

NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                            |            | Sample                | Sample                | Sample                | Sample                | Sample                |
|------------------|----------------------------|------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                  | Laborator                  | y number:  | M17/1177/1.91         | M17/1177/1.92         | M17/1177/1.93         | M17/1177/1.94         | M17/1177/1.95         |
| Acanac           | Sar                        | nple type: | Culture plate         |
| Nac-MRA Salias   | Client sample r            | eference:  | 38C                   | 38D                   | 38E                   | 39A                   | 39B                   |
| TO367            | Commencement date of test: |            | 2017-02-21            | 2017-02-21            | 2017-02-21            | 2017-02-21            | 2017-02-21            |
|                  | Completion date of test:   |            | 2017-03-24            | 2017-03-24            | 2017-03-24            | 2017-03-24            | 2017-03-24            |
|                  | Condition of               | of sample: | Acceptable            | Acceptable            | Acceptable            | Acceptable            | Acceptable            |
| Test Method Used | Analysis                   | Units      |                       |                       |                       |                       |                       |
| AMS-AML-303      | Organism Identification    |            | Acinetobacter Iwoffii | Bacillus cerues group | Achromobacter         | Acinetobacter Iwoffii | Acinetobacter Iwoffii |
|                  |                            |            | 99.9%                 | 99.9%                 | denitrificans 50.0%;  | 88.0%                 | 99.9%                 |
|                  |                            |            |                       |                       | Bacillus cerues group |                       |                       |
|                  |                            |            |                       |                       | 99.9%                 |                       |                       |

NOTES:

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# **TEST REPORT**

### AMCL17/24690 Report number: M17/1177



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|                  |                            |                          | Sample        | Sample           | Sample             | Sample          | Sample              |
|------------------|----------------------------|--------------------------|---------------|------------------|--------------------|-----------------|---------------------|
|                  | Laborato                   | ry number:               | M17/1177/1.96 | M17/1177/1.97    | M17/1177/1.98      | M17/1177/1.99   | M17/1177/1.100      |
| Serest S         | Sa                         | imple type:              | Culture plate | Culture plate    | Culture plate      | Culture plate   | Culture plate       |
| Nac-MEA Sanas    | Client sample              | Client sample reference: |               | 40A              | 40B                | 41A             | 41B                 |
| T0367            | Commencement date of test: |                          | 2017-02-21    | 2017-02-21       | 2017-02-21         | 2017-02-21      | 2017-02-21          |
|                  | Completion date of test:   |                          | 2017-03-24    | 2017-03-24       | 2017-03-24         | 2017-03-24      | 2017-03-24          |
|                  | Condition                  | of sample:               | Acceptable    | Acceptable       | Acceptable         | Acceptable      | Acceptable          |
| Test Method Used | Analysis                   | Units                    |               |                  |                    |                 |                     |
| AMS-AML-303      | Organism Identification    |                          | Acinetobacter | Failed/ Spot Red | Rhodococcus        | Psychrobacter   | Eubacterium limosum |
|                  |                            |                          | lwoffii99.9%  |                  | erythropolis 99.9% | phenylpyruvicus | 99.9%               |
|                  |                            |                          |               |                  |                    | 99.9%           |                     |

NOTES:

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## **TEST REPORT**

#### AMCL17/24690 Report number: M17/1177



|                  |                            |            | Sample             | Sample                | Sample            | Sample           |  |
|------------------|----------------------------|------------|--------------------|-----------------------|-------------------|------------------|--|
|                  | Laborator                  | y number:  | M17/1177/1.101     | M17/1177/1.102        | M17/1177/1.103    | M17/1177/1.104   |  |
| sanas            | Sa                         | nple type: | Culture plate      | Culture plate         | Culture plate     | Culture plate    |  |
| Hac MEA<br>Toget | Client sample r            | eference:  | 42A                | 42B                   | 42C               | 42D              |  |
| TO367            | Commencement date of test: |            | 2017-02-21         | 2017-02-21            | 2017-02-21        | 2017-02-21       |  |
|                  | Completion date of test:   |            | 2017-03-24         | 2017-03-24            | 2017-03-24        | 2017-03-24       |  |
|                  | Condition of sample:       |            | Acceptable         | Acceptable            | Acceptable        | Acceptable       |  |
| Test Method Used | Analysis                   | Units      |                    |                       |                   |                  |  |
| AMS-AML-303      | Organism Identification    |            | Pseudomonas        | Bacillus cereus group | Pseudpmonas       | Escherichia coli |  |
|                  |                            |            | chlororaphis 50.0% | 99.9%                 | fluorescens 99.9% | 99.9%            |  |

Revision 12

Comment:

Approved signatory:

Philani Nkosi

Quality Microbiologist

\_\_\_\_\_

Name in full

Note: Cultures that failed identification are reported as failed as agreed with the client.

Designation

Signature

NOTES:

Cfu: Colony Forming Units ND: Not Detected ND defined as <10Cfu/q/ml or <1 Cfu/g/ml

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# **TEST REPORT**

Report number: M17/1320



#### **CLIENT DETAILS:**

| Client reference / Order number: | 1000624089                  | Report date: 2017-04-06           |
|----------------------------------|-----------------------------|-----------------------------------|
| Client name:                     | CSIR (Built Enviroment)     | Sampling date: 2017-02-27         |
| Address:                         | P.O Box 395 Pretoria 0001   | Date samples recieved: 2017-02-27 |
| Fax number:                      |                             |                                   |
| Telephone number:                | 012 841 2078 / 012 841 3593 |                                   |
| E-mail address:                  | jnice@csir.co.za            | _                                 |

Revision 12

|                  |                            |            | Sample          | Sample           | Sample               | Sample          | Sample                |
|------------------|----------------------------|------------|-----------------|------------------|----------------------|-----------------|-----------------------|
|                  | Laborator                  | y number:  | M17/1320/1.1    | M17/1320/1.2     | M17/1320/1.3         | M17/1320/1.4    | M17/1320/1.5          |
| Canac            | Sa                         | mple type: | Culture plate   | Culture plate    | Culture plate        | Culture plate   | Culture plate         |
| Bac MRA Sallas   | Client sample reference:   |            | 43A             | 43B              | 44A                  | 44B             | 45A                   |
| TO367            | Commencement date of test: |            | 2017-02-28      | 2017-02-28       | 2017-02-28           | 2017-02-28      | 2017-02-28            |
|                  | Completion date of test:   |            | 2017-03-28      | 2017-03-28       | 2017-03-28           | 2017-03-28      | 2017-03-28            |
|                  | Condition of sample:       |            | Acceptable      | Acceptable       | Acceptable           | Acceptable      | Acceptable            |
| Test Method Used | Analysis                   | Units      |                 |                  |                      |                 |                       |
| AMS-AML-303      | Organism Identification    |            | Proteus penneri | Proteus vulgaris | Providencia rettgeri | Proteus penneri | Bacillus cereus group |
|                  |                            |            | 50.0%           | 50.0%            | 99.9%                | 50.0%           | 62.5%                 |

#### NOTES:

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# **TEST REPORT**

#### Report number: M17/1320



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|                  |                            |           | Sample            | Sample                | Sample                  | Sample                | Sample            |
|------------------|----------------------------|-----------|-------------------|-----------------------|-------------------------|-----------------------|-------------------|
|                  | Laborator                  | y number: | M17/1320/1.6      | M17/1320/1.7          | M17/1320/1.8            | M17/1320/1.9          | M17/1320/1.10     |
| sanas            | Sample type:               |           | Culture plate     | Culture plate         | Culture plate           | Culture plate         | Culture plate     |
|                  | Client sample reference:   |           | 45B               | 46A                   | 46B                     | 46C                   | 47A               |
| TO367            | Commencement date of test: |           | 2017-02-28        | 2017-02-28            | 2017-02-28              | 2017-02-28            | 2017-02-28        |
|                  | Completion date of test:   |           | 2017-03-28        | 2017-03-28            | 2017-03-28              | 2017-03-28            | 2017-03-28        |
|                  | Condition of sample:       |           | Acceptable        | Acceptable            | Acceptable              | Acceptable            | Acceptable        |
| Test Method Used | Analysis                   | Units     |                   |                       |                         |                       |                   |
| AMS-AML-303      | Organism Identification    |           | Myroides sp 99.9% | Acinetobacter Iwoffii | Bacillus subtilis 33.3% | Acinetobacter lwoffii | Myroides sp 99.9% |
|                  |                            |           |                   | 99.9%                 |                         | 99.9%                 |                   |

NOTES:

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ND: Not Detected

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## **Aspirata Microbiological & Chemical Laboratory**

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## **TEST REPORT**

Report number: M17/1320



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|                  |                |                            |                    | Sample               | Sample            | Sample               | Sample                | Sample           |
|------------------|----------------|----------------------------|--------------------|----------------------|-------------------|----------------------|-----------------------|------------------|
|                  |                | Laborator                  | Laboratory number: |                      | M17/1320/1.12     | M17/1320/1.13        | M17/1320/1.14         | M17/1320/1.15    |
| J.               | Seconac        | Sample type:               |                    | Culture plate        | Culture plate     | Culture plate        | Culture plate         | Culture plate    |
|                  | Rac-MRA (Sanas | Client sample reference:   |                    | 47B                  | 48A               | 48B                  | 49A                   | 50A              |
|                  | TO367          | Commencement date of test: |                    | 2017-02-28           | 2017-02-28        | 2017-02-28           | 2017-02-28            | 2017-02-28       |
|                  |                | Completion date of test:   |                    | 2017-03-28           | 2017-03-28        | 2017-03-28           | 2017-03-28            | 2017-03-28       |
| _                |                | Condition of sample:       |                    | Acceptable           | Acceptable        | Acceptable           | Acceptable            | Acceptable       |
| Test Method Used |                | Analysis                   | Units              |                      |                   |                      |                       |                  |
| ľ                | AMS-AML-303    | Organism Identification    |                    | Alcaligenes faecalis | Myroides sp 99.9% | Alcaligenes faecalis | Bacillus cereus group | Proteus vulgaris |
|                  |                |                            |                    | ssp faecalis 99.9%   |                   | ssp faecalis 99.9%   | 99.9%                 | 50.0%            |

Revision 12

NOTES:

<1 Cfu/g/ml

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# **TEST REPORT**

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|                  |                          |              | Sample               | Sample               | Sample           | Sample          | Sample           |
|------------------|--------------------------|--------------|----------------------|----------------------|------------------|-----------------|------------------|
|                  | Laboratory number:       |              | M17/1320/1.16        | M17/1320/1.17        | M17/1320/1.18    | M17/1320/1.19   | M17/1320/1.20    |
| Sanas            | Sa                       | mple type:   | Culture plate        | Culture plate        | Culture plate    | Culture plate   | Culture plate    |
|                  | Client sample i          | reference:   | 50B                  | 50C                  | 51A              | 52A             | 52B              |
| T0367            | Commencement da          | ate of test: | 2017-02-28           | 2017-02-28           | 2017-02-28       | 2017-02-28      | 2017-02-28       |
|                  | Completion date of test: |              | 2017-03-28           | 2017-03-28           | 2017-03-28       | 2017-03-28      | 2017-03-28       |
|                  | Condition                | of sample:   | Acceptable           | Acceptable           | Acceptable       | Acceptable      | Acceptable       |
| Test Method Used | Analysis                 | Units        |                      |                      |                  |                 |                  |
| AMS-AML-303      | Organism Identification  |              | Alcaligenes faecalis | Alcaligenes faecalis | Proteus vulgaris | Proteus penneri | Proteus vulgaris |
|                  |                          |              | ssp faecalis 99.9%   | ssp faecalis 33.3%;  | 50.0%            | 50.0%           | 50.0%            |
|                  |                          |              |                      | Proteus vulgaris     |                  |                 |                  |
|                  |                          |              |                      | 50.0%                |                  |                 |                  |

Revision 12

NOTES:

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AMS-AML-303

## Aspirata Microbiological & Chemical Laboratory

**Organism Identification** 

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## **TEST REPORT**

Report number: M17/1320

Pseudomonas

viridiflava 99.9%

Myroides spp 99.9%

Pseudomonas

fluorescens 99.6%



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Pseudomonas

fluorescens 99.9%

|            |                    |                            | Sample        | Sample        | Sample        | Sample        | Sample     |
|------------|--------------------|----------------------------|---------------|---------------|---------------|---------------|------------|
| 🧼 🕼 keanac | Laboratory number: | M17/1320/1.21              | M17/1320/1.22 | M17/1320/1.23 | M17/1320/1.24 | M17/1320/1.25 |            |
|            | Sample type:       | Culture plate              | Culture plate | Culture plate | Culture plate | Culture plate |            |
|            | TO357              | Client sample reference:   | 53A           | 53B           | 53C           | 54A           | 54B        |
|            | TO367              | Commencement date of test: | 2017-02-28    | 2017-02-28    | 2017-02-28    | 2017-02-28    | 2017-02-28 |
|            |                    | Completion date of test:   | 2017-03-28    | 2017-03-28    | 2017-03-28    | 2017-03-28    | 2017-03-28 |
|            |                    | Condition of sample:       | Acceptable    | Acceptable    | Acceptable    | Acceptable    | Acceptable |
|            | Test Method Used   | Analysis Units             |               |               |               |               |            |

Proteus penneri

33.30%

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NOTES:

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# **TEST REPORT**

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|   |                                     |            | Sample            | Sample               | Sample               | Sample                | Sample               |
|---|-------------------------------------|------------|-------------------|----------------------|----------------------|-----------------------|----------------------|
|   | Laborator                           | y number:  | M17/1320/1.26     | M17/1320/1.27        | M17/1320/1.28        | M17/1320/1.29         | M17/1320/1.30        |
| A sanac   | Sa                                  | mple type: | Culture plate     | Culture plate        | Culture plate        | Culture plate         | Culture plate        |
| Bacemina<br>International International Interna | Client sample reference:            |            | 54C               | 55A                  | 55B                  | 55C                   | 56A                  |
| TO367   | Commencement date of test:          |            | 2017-02-28        | 2017-02-28           | 2017-02-28           | 2017-02-28            | 2017-02-28           |
|   | Completion date of test:            |            | 2017-03-28        | 2017-03-28           | 2017-03-28           | 2017-03-28            | 2017-03-28           |
|   | Condition of sample                 |            | Acceptable        | Acceptable           | Acceptable           | Acceptable            | Acceptable           |
| Test Method Used  | Analysis                            | Units      |                   |                      |                      |                       |                      |
| AMS-AML-303   | AMS-AML-303 Organism Identification |            | Pseudomonas       | Bacilus cereus group | Pseudomonas stutzeri | Nocardia              | Pseudomonas stutzeri |
|   |                                     |            | fluorescens 99.9% | 99.9%                | 99.9%                | cyriacigeorgica 72.2% | 99.9%                |

NOTES:

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## **TEST REPORT**

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|                  |                            |                    | Sample            | Sample             | Sample            | Sample            | Sample               |
|------------------|----------------------------|--------------------|-------------------|--------------------|-------------------|-------------------|----------------------|
|                  | Laborator                  | Laboratory number: |                   | M17/1320/1.32      | M17/1320/1.33     | M17/1320/1.34     | M17/1320/1.35        |
| <b>Fsanas</b>    | Sa                         | mple type:         | Culture plate     | Culture plate      | Culture plate     | Culture plate     | Culture plate        |
| TO367            | Client sample reference:   |                    | 56B               | 56C                | 57A               | 57B               | 57C                  |
| TO367            | Commencement date of test: |                    | 2017-02-28        | 2017-02-28         | 2017-02-28        | 2017-02-28        | 2017-02-28           |
|                  | Completion date of test:   |                    | 2017-03-28        | 2017-03-28         | 2017-03-28        | 2017-03-28        | 2017-03-28           |
|                  | Condition of sample:       |                    | Acceptable        | Acceptable         | Acceptable        | Acceptable        | Acceptable           |
| Test Method Used | Analysis                   | Units              |                   |                    |                   |                   |                      |
| AMS-AML-303      | Organism Identification    |                    | Kytococcus        | Micrococcus luteus | Myroides spp99.9% | Myroides spp99.9% | Providencia rettgeri |
|                  |                            |                    | sedentarius 99.9% | 99.9%              |                   |                   | 99.9%                |

Revision 12

NOTES:

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<1 Cfu/g/ml

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# **TEST REPORT**

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|                  |                          |            | Sample               | Sample               | Sample           | Sample           | Sample              |
|------------------|--------------------------|------------|----------------------|----------------------|------------------|------------------|---------------------|
|                  | Laborator                | y number:  | M17/1320/1.36        | M17/1320/1.37        | M17/1320/1.38    | M17/1320/1.39    | M17/1320/1.40       |
| Seconac          | Sa                       | mple type: | Culture plate        | Culture plate        | Culture plate    | Culture plate    | Culture plate       |
|                  | Client sample i          | reference: | 58A                  | 59A                  | 60A              | 60B              | 61A                 |
| TO367            | Commencement date of     |            | 2017-02-28           | 2017-02-28           | 2017-02-28       | 2017-02-28       | 2017-02-28          |
|                  | Completion date of test: |            | 2017-03-28           | 2017-03-28           | 2017-03-28       | 2017-03-28       | 2017-03-28          |
|                  | Condition of sample:     |            | Acceptable           | Acceptable           | Acceptable       | Acceptable       | Acceptable          |
| Test Method Used | Analysis                 | Units      |                      |                      |                  |                  |                     |
| AMS-AML-303      | Organism Identification  |            | Alcaligenes faecalis | Alcaligenes faecalis | Proteus vulgaris | Proteus vulgaris | Bacillus            |
|                  |                          |            | ssp faecalis 99.9%   | ssp faecalis 99.9%   | 50.0%            | 50.0%            | altitudinis/pumilus |
|                  |                          |            |                      |                      |                  |                  | 99.9%               |

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# **TEST REPORT**

#### Report number: M17/1320



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|                  |                          |                    | Sample                | Sample                  | Sample                | Sample            | Sample                |
|------------------|--------------------------|--------------------|-----------------------|-------------------------|-----------------------|-------------------|-----------------------|
| sanas            | Laborator                | Laboratory number: |                       | M17/1320/1.42           | M17/1320/1.43         | M17/1320/1.44     | M17/1320/1.45         |
|                  | Sar                      | nple type:         | Culture plate         | Culture plate           | Culture plate         | Culture plate     | Culture plate         |
|                  | Client sample r          | eference:          | 61B                   | 61C                     | 61D                   | 64A               | 64B                   |
| TO367            | T0367 Commencement date  |                    | 2017-02-28            | 2017-02-28              | 2017-02-28            | 2017-02-28        | 2017-02-28            |
|                  | Completion date of test: |                    | 2017-03-28            | 2017-03-28              | 2017-03-28            | 2017-03-28        | 2017-03-28            |
|                  | Condition of             | of sample:         | Acceptable            | Acceptable              | Acceptable            | Acceptable        | Acceptable            |
| Test Method Used | Analysis                 | Units              |                       |                         |                       |                   |                       |
| AMS-AML-303      | Organism Identification  |                    | Acinetobacter Iwoffii | Bacillus subtilis 33.3% | Bacillus cereus group | Pseudomonas       | Pseudomonas           |
|                  |                          |                    | 99.9%                 |                         | 99.8%                 | fluorescens 99.9% | fluorescens           |
|                  |                          |                    |                       |                         |                       |                   | 99.9%;Bacillus cereus |
|                  |                          |                    |                       |                         |                       |                   | group 99.9%           |

Revision 12

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# **TEST REPORT**

#### Report number: M17/1320



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|                  |                            |                      | Sample             | Sample                         | Sample            | Sample            |  |
|------------------|----------------------------|----------------------|--------------------|--------------------------------|-------------------|-------------------|--|
|                  | Laborator                  | y number:            | M17/1320/1.46      | M17/1320/1.47                  | M17/1320/1.48     | M17/1320/1.49     |  |
| Serest S         | Sample type:               |                      | Culture plate      | Culture plate                  | Culture plate     | Culture plate     |  |
| Hac-MRA Sanas    | Client sample r            | eference:            | 64C                | 66A                            | 66B               | 67A               |  |
| TO367            | Commencement date of test: |                      | 2017-02-28         | 2017-02-28                     | 2017-02-28        | 2017-02-28        |  |
|                  | Completion date of test:   |                      | 2017-03-28         | 2017-03-28                     | 2017-03-28        | 2017-03-28        |  |
|                  | Condition of               | Condition of sample: |                    | Acceptable                     | Acceptable        | Acceptable        |  |
| Test Method Used | Analysis                   | Units                |                    |                                |                   |                   |  |
| AMS-AML-303      | Organism Identification    |                      | Pseudomonas putida | Xanthomonas                    | Pseudomonas       | Pseudomonas       |  |
|                  |                            |                      | 99.9%              | axonopodis/Campestris/vasicola | fluorescens 99.9% | viridiflava 99.9% |  |
|                  |                            |                      |                    | 99.9%                          |                   |                   |  |

Revision 12

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# **TEST REPORT**

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|                  |                            |       | Sample            | Sample             | Sample            | Sample              | Sample               |
|------------------|----------------------------|-------|-------------------|--------------------|-------------------|---------------------|----------------------|
| FSANAS<br>TOSET  | Laboratory number:         |       | M17/1320/1.50     | M17/1320/1.51      | M17/1320/1.52     | M17/1320/1.53       | M17/1320/1.54        |
|                  | Sample type:               |       | Culture plate     | Culture plate      | Culture plate     | Culture plate       | Culture plate        |
|                  | Client sample reference:   |       | 68A               | 68B                | 68C               | 69A                 | 70A                  |
|                  | Commencement date of test: |       | 2017-02-28        | 2017-02-28         | 2017-02-28        | 2017-02-28          | 2017-02-28           |
|                  | Completion date of test:   |       | 2017-03-28        | 2017-03-28         | 2017-03-28        | 2017-03-28          | 2017-03-28           |
|                  | Condition of sample:       |       | Acceptable        | Acceptable         | Acceptable        | Acceptable          | Acceptable           |
| Test Method Used | Analysis                   | Units |                   |                    |                   |                     |                      |
| AMS-AML-303      | Organism Identification    |       | Pseudomonas       | Bacillus circulans | Pseudomonas       | Ralstonia insidiosa | Pseudomonas stutzeri |
|                  |                            |       | fluorescens 99.9% | 99.9%              | fluorescens 99.9% | 99.9%               | 99.9 %               |

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# **TEST REPORT**

Report number: M17/1320



Sample Sample Laboratory number M17/1320/1.55 M17/1320/1.56 Sample type: Culture plate Culture plate Client sample reference: 70B BLANK Commencement date of test: 2017-02-28 2017-02-28 2017-03-28 2017-03-28 Completion date of test Condition of sample: Acceptable Acceptable **Test Method Used** Analysis Units AMS-AML-303 Organism Identification Pseudomonas stutzeri Ralstonia insidiosa ----99.9% 99.9%

Comment: Approved signatory: Philani Nkosi Quality Microbiologist

Name in full

Designation

Signature

NOTES:

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