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 | |

| | e 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.

This test report shall not be produced except in full, without the written approval of the Aspirata Microbiological & Chemical Laboratory.

* 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 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

ND defined as <10Cfu/g/ml or

<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 | esanas |
|--------------|--------------------|
| 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 |
| Fsanas | 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]

This test report applies only to the samples tested.

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Web address: www.aspirata.co.za

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



Page 3 of 4

| | | | 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 | |

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| 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]

This test report applies only to the samples tested.

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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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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 | |

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| Hac-MRA | Testing Laboratory |
| Malalalala | T0367 |

| Canac | | | Sample 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 epidermidis ; Paenibaciillus pabuli | Staphylococus epidermidis ; Paenibacillus pabuli | Spot/Organism failed | Spot/Organism failed | Baciilus 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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Web address: www.aspirata.co.za

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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Web address: www.aspirata.co.za

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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2017-09-06

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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 | |

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| Incic-Mica | Testing Laboratory 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 terre Laboratory 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

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

Revision 14

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TEST REPORT

AMCL17/25640 Report number: M17/4561



| | | | Sample | Sample | | |
|------------------|----------------------------|-----------|-----------------------|-----------------------|------|--|
| Sanas 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 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 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



Page 3 of 3

| | | | 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 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 Together 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

This test report applies only to the samples tested.

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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 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 | |

Revision 13



| | | | Sample | | |
|------------------------|----------------------------|------------|-----------------------|--|--|
| | Laboratory number: | | M17/4573/1.1 | | |
| Canac | Sample type: | | Culture plate | | |
| Sanas 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 | | | |
|------------------|-------------------------|--------------|-----------------------|---|------|--|
| | 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 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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TEST REPORT

Report number: M17/4573



| | | | Sample | | |
|-------------------------------|----------------------------|--------------|---------------|--|--|
| | Laborator | ry number: | M17/4573/1.4 | | |
| Canac | Sar | mple type: | Culture plate | | |
| BEC MEA 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

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

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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:

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 | 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

This test report applies only to the samples tested.

This test report shall not be produced except in full, without the written approval of the Aspirata Microbiological & Chemical Laboratory.

* 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

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:

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 | | | | | | |
|------------------|----------------------------|------------|---------------------------|--|--|--|--|
| | 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 | | |
|------------------|----------------------------|------------|---------------|------|------|
| | 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 | | |

~

.

NOTES:

Cfu: Colony Forming Units ND: Not Detected

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

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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 Accreditation for this laboratory | | | | |
| <1 Cfu/g/ml | | ** Opinions and interpretations exp 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 | |

| | 4 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]

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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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Web address: www.aspirata.co.za

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

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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 | |

| | esanas |
|-----------------------|-----------------------------|
| Control of the second | Testing Laboratory 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 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

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: M17/4577



| | | | 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

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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 | |

| | e 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 Herteg Laboratory 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 | |

| | esanas |
|-------------|-----------------------------|
| Catalanta A | Testing Laboratory 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

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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:

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



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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



Page 3 of 21

| | | | 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 |
| F 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 (Sanas Justing Laborator 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:

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: | M17/1177/1.21 | 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 rening Laboratory 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:

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 |
|------------------|--------------------------|--------------|-----------------------|--------------------|------------------|-------------------------|----------------------|
| 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:

Cfu: Colony Forming Units ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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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:

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

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| | | | Sample | Sample | Sample | Sample | Sample |
|------------------------------------|--------------------------|----------------------------|-------------------|-----------------------|-------------------|---------------------|----------------------|
| Sanas Internet Control 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:

Cfu: Colony Forming Units ND: Not Detected

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| | | | Sample | Sample | Sample | Sample | Sample |
|------------------------------------|--------------------------|----------------------------|-----------------|-----------------|---------------------|----------------------|-------------------|
| Sanas refig Laboratory 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% |

NOTES:

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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:

Cfu: Colony Forming Units

ND: Not Detected

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| | | | Sample | Sample | Sample | Sample | Sample |
|---------------------------------------|--------------------------|--------------|------------------|------------------|------------------|--------------------|------------------|
| Sanas Internet Laboratory 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% | |

NOTES:

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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 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:

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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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| | | | 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:

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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 |
| fsanas | 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% |

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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% | | | | |

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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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| | | | 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 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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<1 Cfu/g/ml

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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:

Cfu: Colony Forming Units

ND: Not Detected

ND defined as <10Cfu/g/ml or

<1 Cfu/g/ml

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E-mail: Kemmonet@aspirata.co.za

Web address: www.aspirata.co.za

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:

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



| | | | 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 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:

Cfu: Colony Forming Units

ND: Not Detected

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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

Report number: M17/1320



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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:

Cfu: Colony Forming Units

ND: Not Detected

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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%

Revision 12

NOTES:

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TEST REPORT

Report number: M17/1320



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| | | | Sample | Sample | Sample | Sample | Sample |
|---|-------------------------------------|------------|-------------------|----------------------|----------------------|-----------------------|----------------------|
| | Laborator | y number: | M17/1320/1.26 | 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 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

Report number: M17/1320



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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 |
| Fsanas | 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

Report number: M17/1320



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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% |

NOTES:

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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

NOTES:

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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

NOTES:

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TEST REPORT

Report number: M17/1320



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| | | | Sample | Sample | Sample | Sample | Sample |
|------------------|----------------------------|-------|-------------------|--------------------|-------------------|---------------------|----------------------|
| FSANAS 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 % |

NOTES:

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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:

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.

This test report shall not be produced except in full, without the written approval of the Aspirata Microbiological & Chemical Laboratory.

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