SUPPLEMENTARY INFORMATION

Fig. S1: Parallel reactor employed for the catalytic reactions.

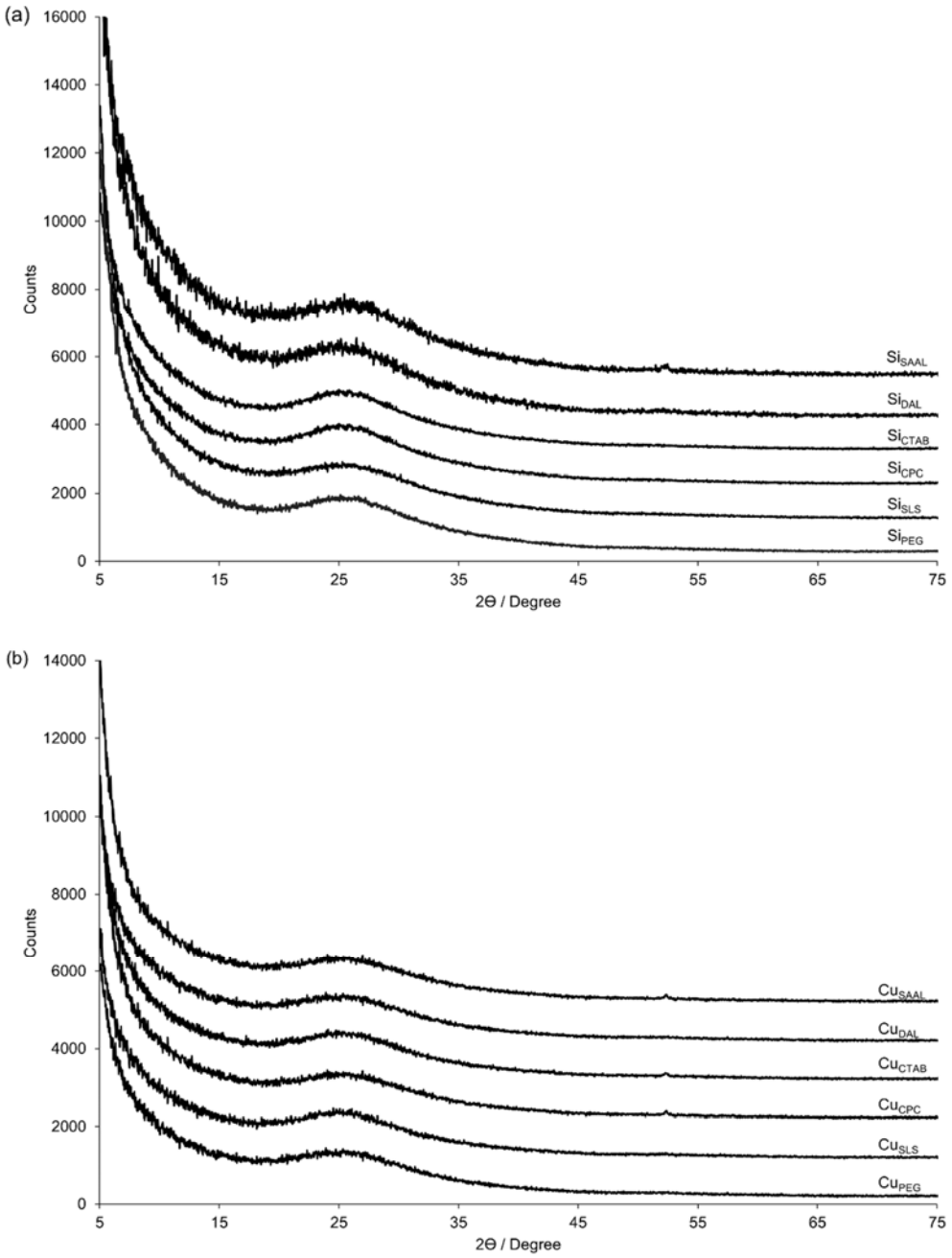

Fig. S2 XRD analysis of (a) the silica catalyst supports, and (b) their respective immobilised catalysts

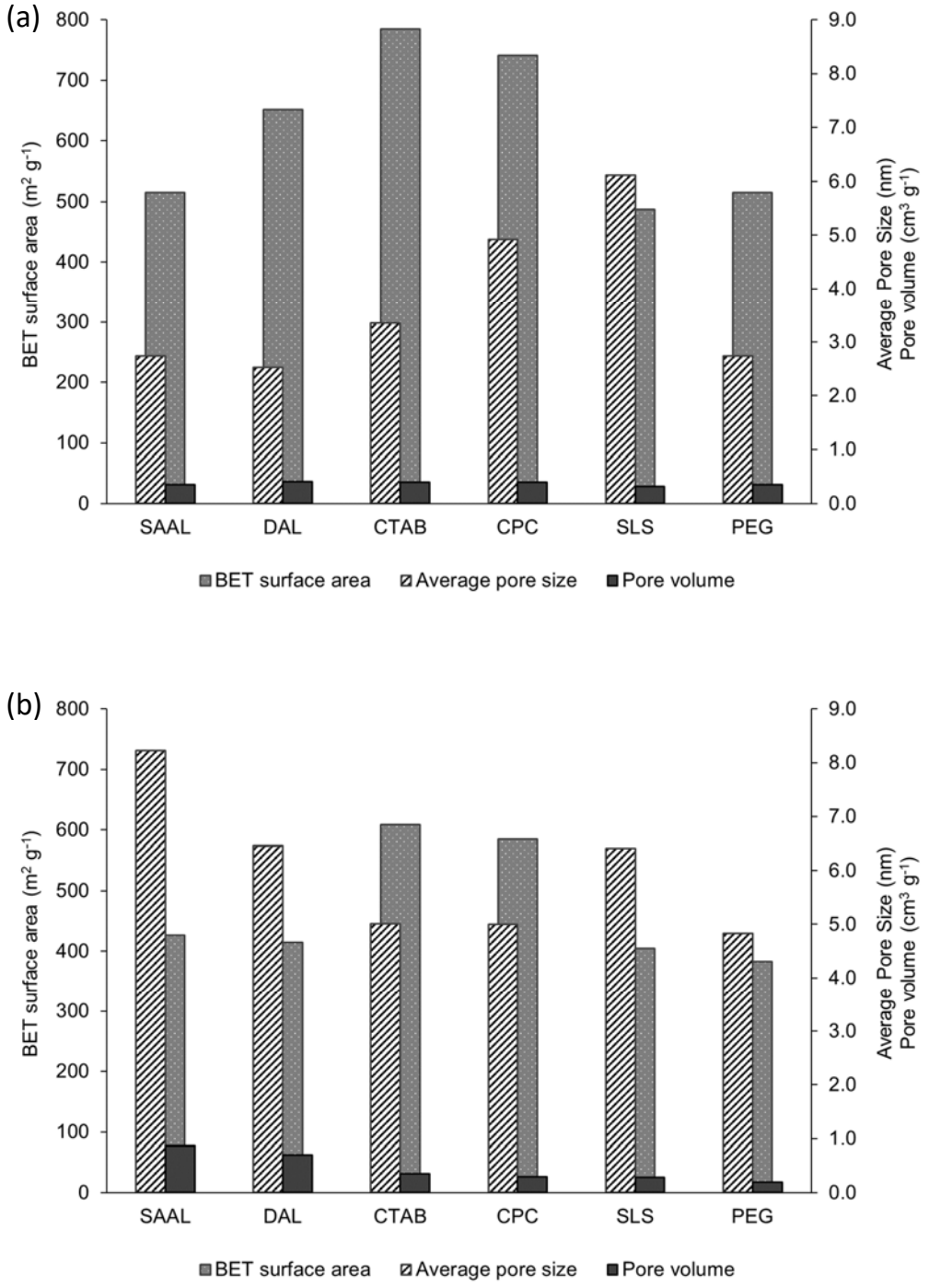

Fig. S3 Textural properties of the (a) silica catalyst supports and (b) immobilized catalysts

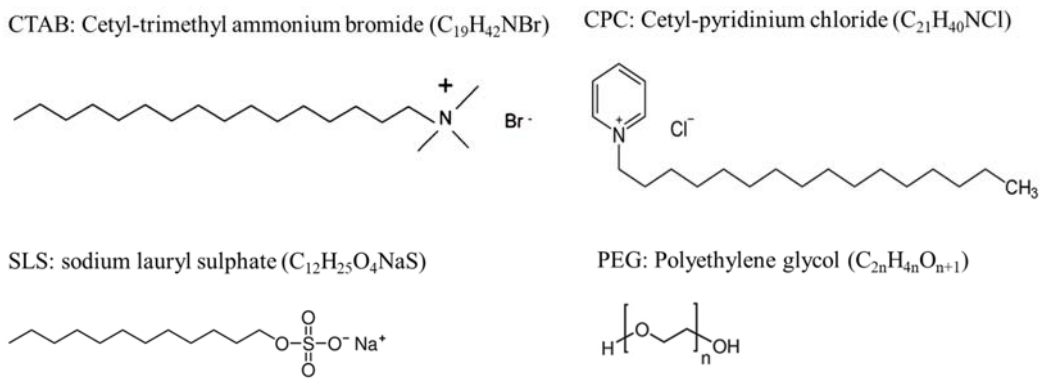

Fig. S4 Surfactants applied during the synthesis of CFA-derived silica catalyst supports

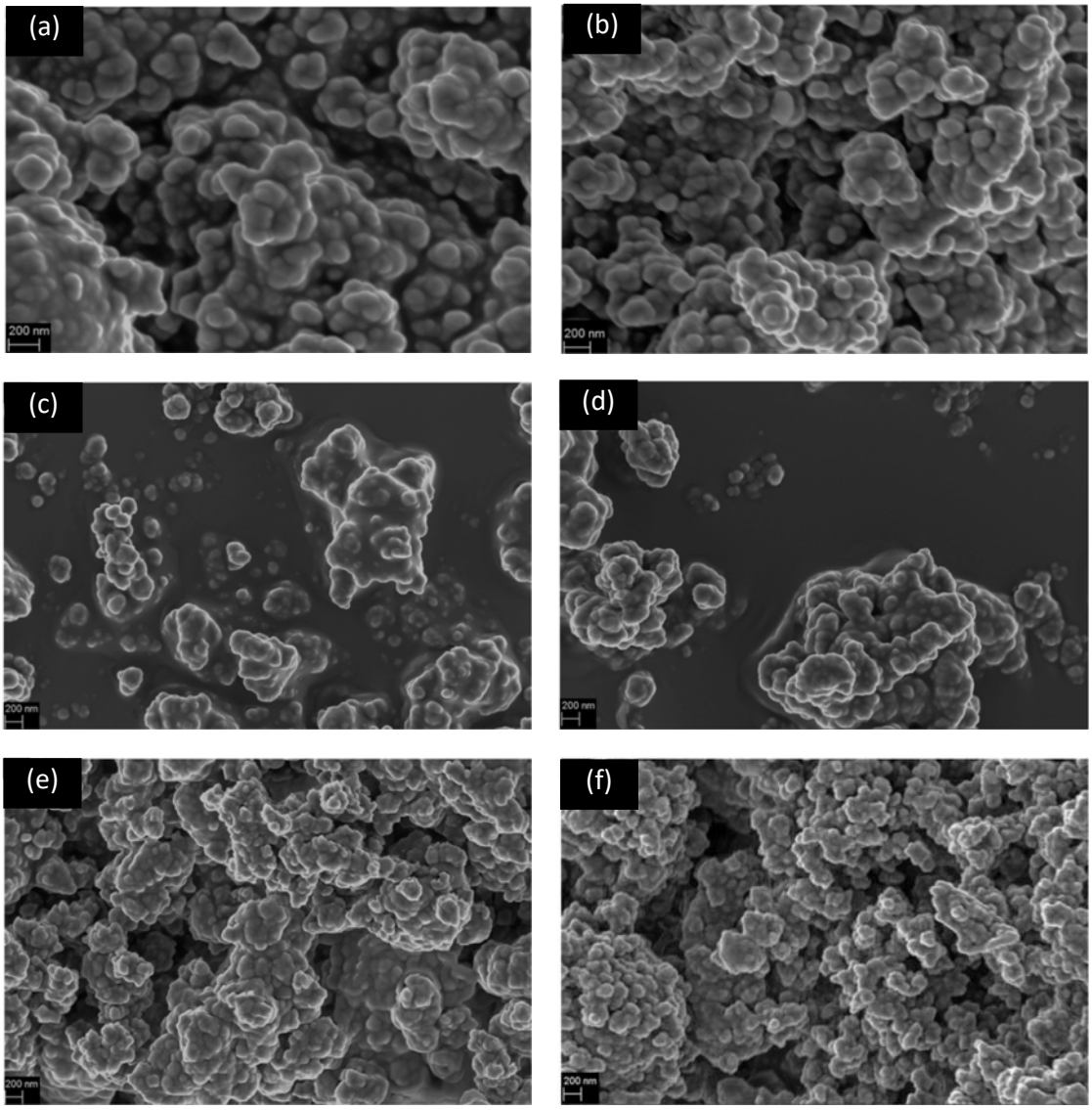

Fig. S5 FESEM images of (a) Cu_{SAAL}, (b) Cu_{DAL}, (c) Cu_{CTAB}, (d) Cu_{CPC}, (e) Cu_{SLS} and (f) Cu_{PEG}

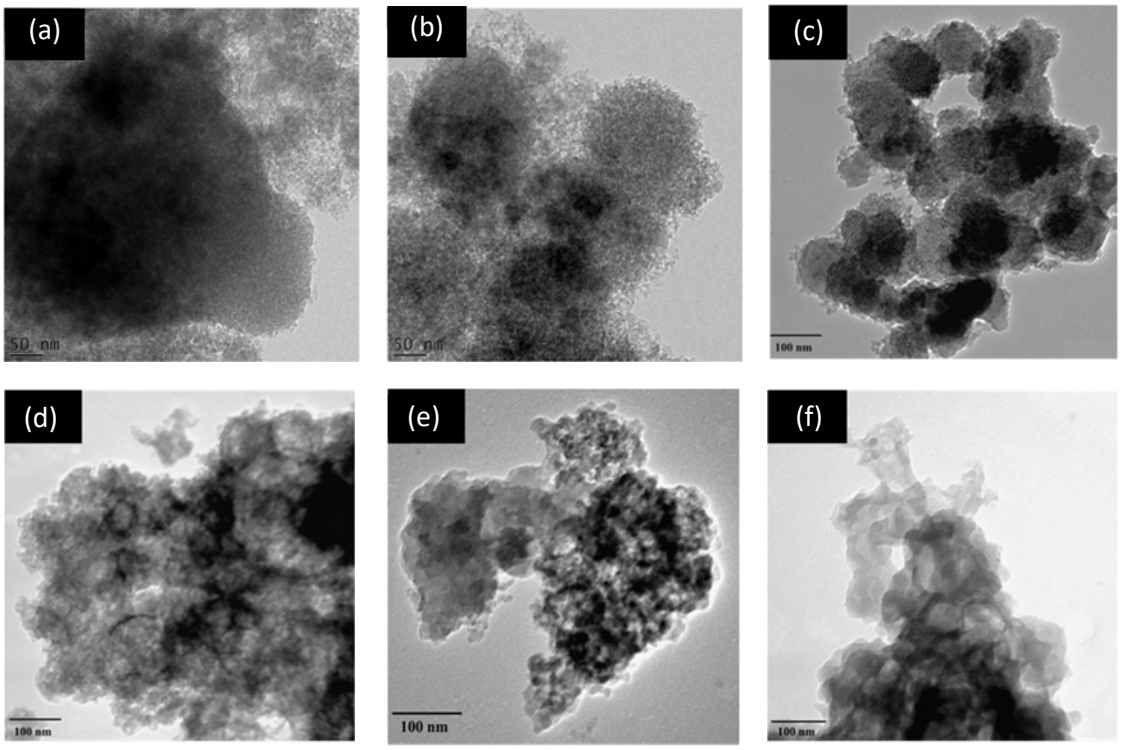

Fig. S6 TEM images of (a) Cu_{SAAL}, (b) Cu_{DAL}, (c) Cu_{CTAB}, (d) Cu_{CPC}, (e) Cu_{SLS} and (f) Cu_{PEG}

Table S1 Oxidation of veratryl alcohol with TBHP, heterogeneously catalyzed by a Cu(II) complex immobilized on MCM-41, SBA-15 and CFA-derived catalyst supports. Reaction conditions: veratryl alcohol (1 mmol), 2 mol % catalyst, temperature (25 °C), TBHP (2 mmol), acetonitrile (10 ml) and NaOH (0.2 mmol).

Catalyst	**Conversion (%)**	**Aldehyde yield (%)**	**Acid yield (%)**
Cu_{MCM-41}	30	80	20
Cu_{SBA-15}	36	90	10
Cu_{SAAL}	24	96	4
Cu_{DAL}	31	90	10
Cu_{CTAB}	51	50	50
Cu_{CPC}	52	53	47
Cu_{SLS}	50	54	46
Cu_{PEG}	50	53	47