Electronic Supplemental Information

Surfactant controlled magnesium oxide synthesis for base catalysis.

Nicholas F. Dummer[a,b]*, Liam Joyce[a], Harold Ellicot[a], Yijiao Jiang[c]

[a] School of Chemistry, University of Wollongong, Wollongong, NSW 2522, Australia

[b] Now at Cardiff Catalysis Institute, Cardiff University, Cardiff, CF10 3AT, UK

[c] Department of Engineering, Macquarie University, North Ryde, NSW 2109, Australia

* Corresponding author; dummernf@cardiff.ac.uk

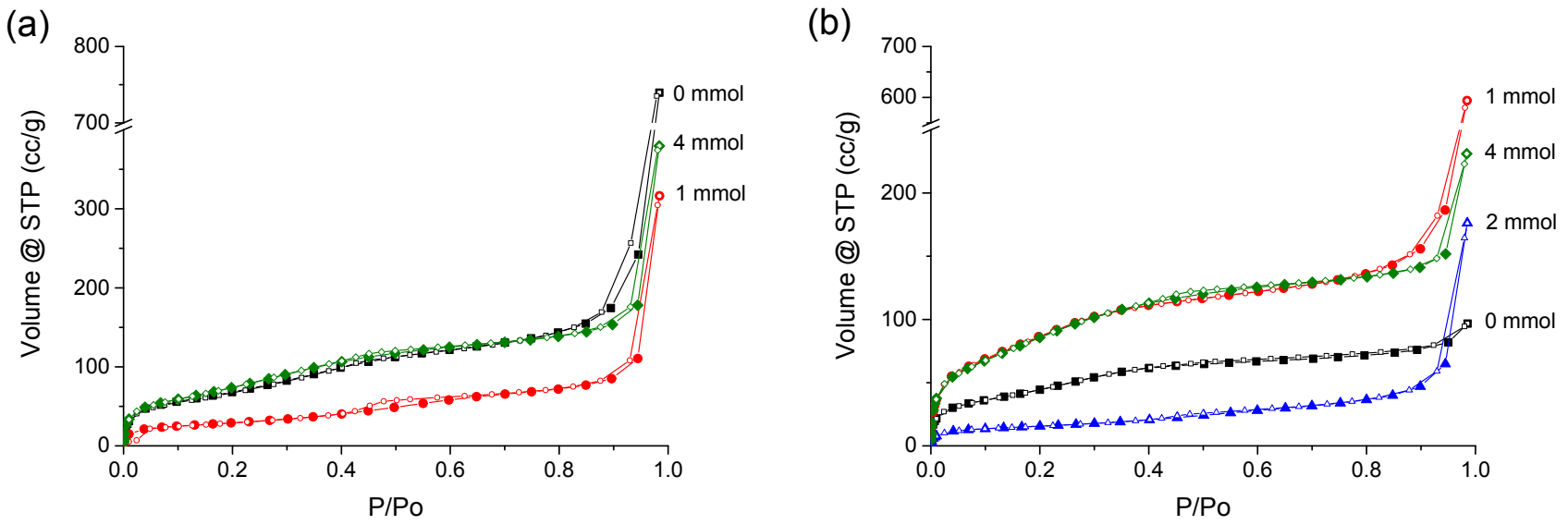

Fig. S1 (a) N_2 Adsorption isotherms for MgO samples synthesised with different precipitating agents, closed symbols; adsorption and open symbols; desorption; (a) NaOH and (b) TPAOH calcined at 420 °C for 2 h; (■) 0 mmol SDS, (●) 1 mmol, (▲) 2 mmol and (♦) 4 mmol.

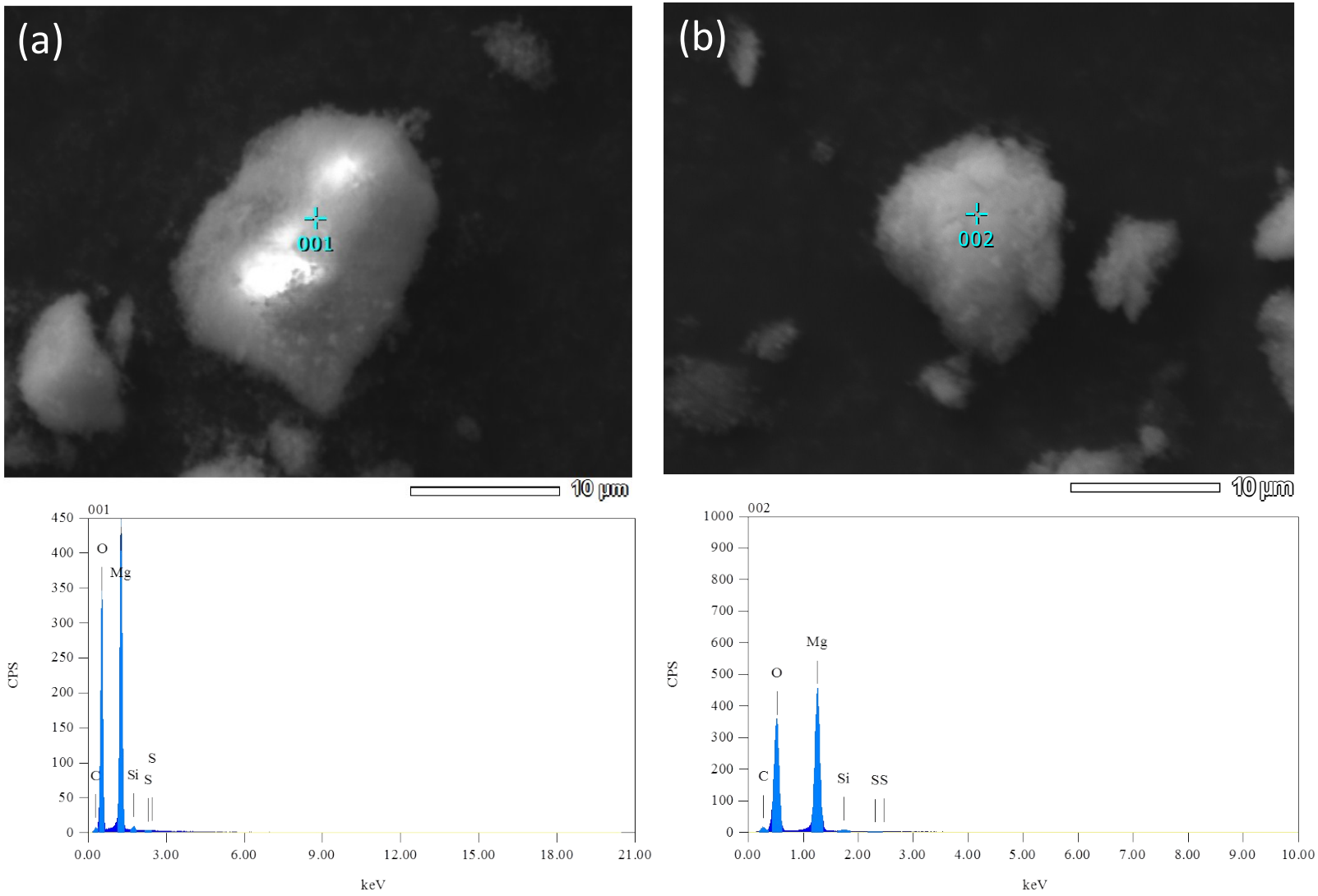

Fig. S2 EDS analysis of sample A0 (a) and B4 (b).

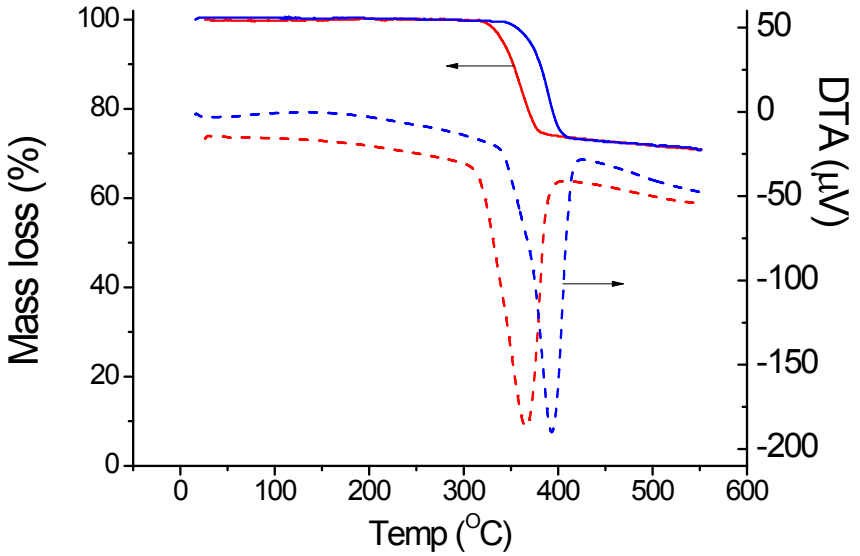

Fig. S3 Thermal analysis of MgO samples A0 (red lines) B4 (blue lines).

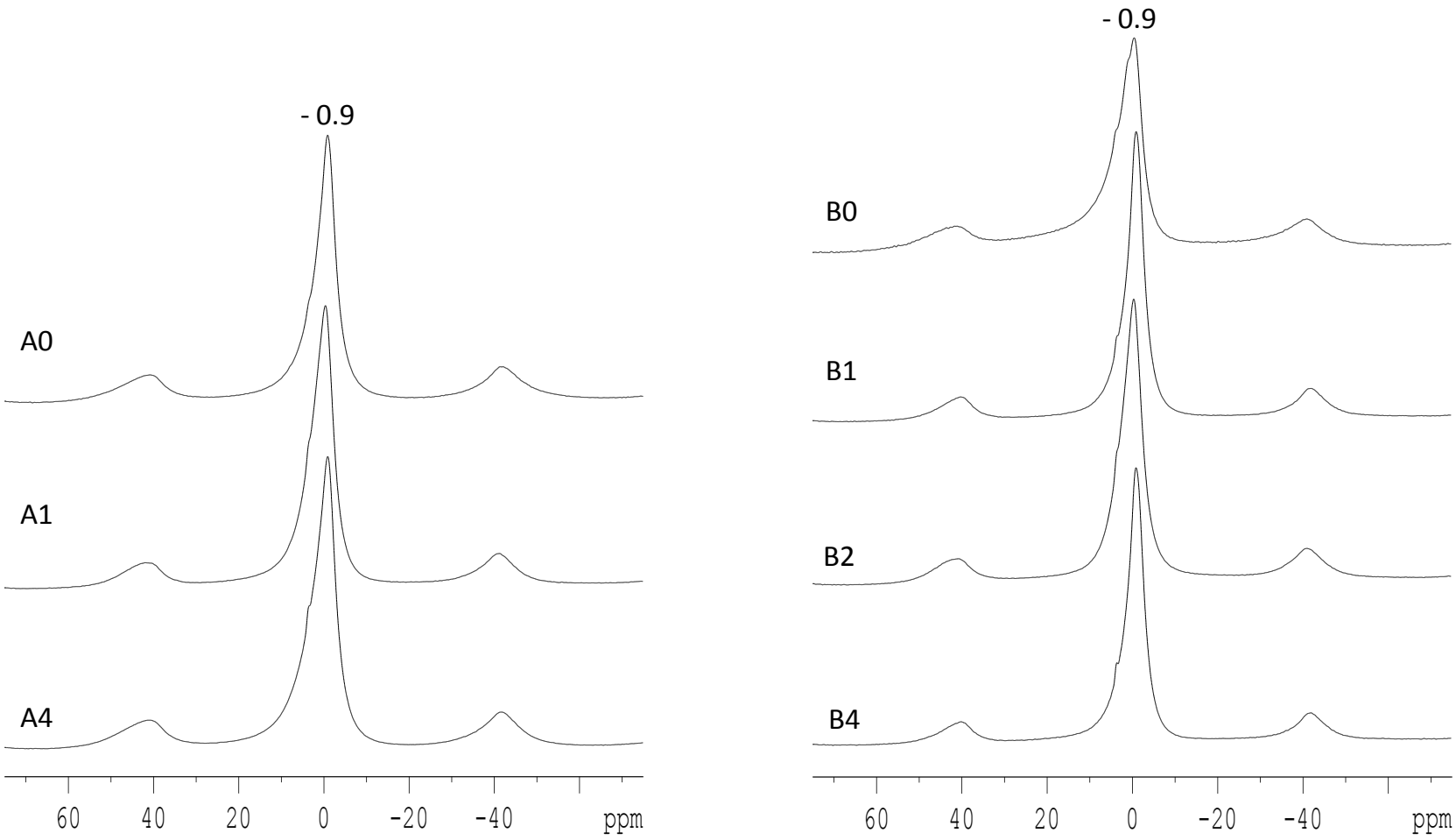

Fig. S4 ^{1}H MAS NMR spectra of MgO samples.