

Appendix 2. X-ray diffractogram of the sand S5 in the core ample H02. (a) Diffractogram of the air dried and oriented sample: blue pattern depicts the raw spectrum; red pattern represents calculated spectrum. (b) Diffractogram of the sample treated with ethylene-glycol: red pattern depicts the raw spectrum; brown pattern represents calculated spectrum. (c) Diffractogram of the sample after heated to 550 °C: green pattern depicts the raw spectrum; red pattern represents calculated spectrum. It is representative the disappearance of the Kaolinite peak at 12.5 2 θ after heat treatment.

