

*Caption to Supplementary Material - Annex B: pH change of unbuffered solutions*

During preliminary experiments in un-buffered solution, a significant drop of pH was observed, suggesting that test solution chemistry was not stable during the test. The addition of bicarbonate / carbonic acid buffer, used for the experiments presented in the article, a much better pH stability was observed (see Fig. 3(b) of the article)

Electrochemical impedance response of a thick and porous calcium carbonate layer deposited by thermal growth on a carbon steel electrode.

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