

Repeat of Data Collected at 50 °C for Cleaned Ceria

Date: 2023-04-14

Tags: DRIFTS CO CeO2 powder High temperature

Created by: Lachlan Caulfield

Goal :

To repeat the 50 °C measurements and attempt to reduce the amount of water so CO adsorption bands can be seen

Procedure :

Background in O2 before heating - LC0066.0

0000-0499 - 50 °C, in CO 1 atm, 200 ml/min

0500-0649 - 150 °C in CO 1 atm, 200 ml/min, no 110 facet anymore, covered with OH? or carbonates?

Results :

Too much water again. Need to rethink.

(Data saved - DRIFTS PC; Folder - Data --> L Caulfield; File name - 20230414_CeO2_50_repeat)



Unique eLabID: 20230706-5124d9080276189d0beeb66f7fb4325dc2ba95c4
Link: <https://ifgselabftw.ifg.kit.edu/experiments.php?mode=view&id=2304>