

Carbon Content Analysis of AEROSIL® and AEROXIDE® products PA 0600

1. Background / Reason

The Carbon Content in fumed silica and fumed oxides is obtained by the oxidation of Carbon in a sample through combustion and the resulting CO₂ measured by infrared (IR) detectors.

2. Apparatus and Reagents

Carbon Determination System, e.g. C632 by company LECO
Ceramic crucibles or Sample boats
Analytical balance
Oxygen, Zero Grade 99.9% pure or higher
Carbon reference materials (e.g. carbon steels or BAM standard)

3. Sampling

Before the sample is taken out of the sample box provided, a good mixing of the sample should be ensured.

4. Procedure

Acc. to the test method described in the reference (5.).

5. References

ISO 3262-20 chapter 8