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Certificate of Analysis
Part No. B2716
Ore Standard

RM Doc Number: 240726

Analytical Results

% Carbon	**% Sulphur**
Value = 1.62	Value = 1.56
Expanded Uncertainty = 0.08	Expanded Uncertainty = 0.10
Method & Detection = Combustion/IR	Method & Detection = Combustion/IR
n = 32	n = 32
k ≈ 2 (95% confidence)	k ≈ 2 (95% confidence)

Primary Reference Standards Used:
NCS DC28091, DC73005

Method Employed:

ASTM E1019-24 – Standard Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Inert Gas Fusion Techniques. ASTM E1915-20 – Standard Test Methods for Analysis of Metal Bearing Ores and Related Materials for Carbon, Sulfur, and Acid-Base Characteristics.

**The analytical results above are provided by an accredited reference material manufacturer with a current certification in ISO 17025 and 17034.*

The intended use of this Reference Material (RM) is for the verification of and calibration of induction furnace combustion and other appropriate analysis methods for the determination of carbon and sulfur.

The minimum recommended sample size to perform this intended use is no less than 0.50g for destructive test methods.

The Period of Validity for this RM is 25 years after the date below, if handling and storage instructions are followed.

This bottle contains 30 g of powder to be used per the test method you follow. Keep sealed tightly and store under normal laboratory conditions. This reference material was certified on a dried basis after correcting for moisture content by drying at 107°C for one hour.

Refer to your test methods and or manufacturer manual for expanded uncertainties, repeatability/reproducibility factors.

For good laboratory practice, we recommend that all reference materials be verified as fit for purpose prior to use. Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Elemental Microanalysis Ltd. be liable for incidental or consequential damages.

Certified on the 12th of December 2024

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