

# Certified Net Acid Generation (NAG), Sulphur and Carbon Reference Material Certificate

**EGICRM024435**

**Date of issue:** 20 February 2024

## Certified Control Values

### Net Acid Generation (NAG)

NAG<sub>pH</sub> 3.43  
Standard Deviation 0.20  
95% Confidence Interval ± 0.046

NAG<sub>(pH 4.5)</sub> 3.6 kg H<sub>2</sub>SO<sub>4</sub>/t (Reference Value)  
Standard Deviation 1.0 kg H<sub>2</sub>SO<sub>4</sub>/t  
95% Confidence Interval ± 0.23 kg H<sub>2</sub>SO<sub>4</sub>/t

NAG<sub>(pH 7.0)</sub> 7.9 kg H<sub>2</sub>SO<sub>4</sub>/t  
Standard Deviation 0.59 kg H<sub>2</sub>SO<sub>4</sub>/t  
95% Confidence Interval ± 0.14

### Sulphur

Sulphur Grade 0.36%  
Standard Deviation 0.02%  
95% Confidence Interval ± 0.004%

### Carbon

Carbon Grade 0.05%  
Standard Deviation 0.01%  
95% Confidence Interval ± 0.002%

## CRM Details

Control statistics for NAG were produced from an interlaboratory study conducted September 2021, consisting of 73 results to certify this material. Control statistics for sulphur and carbon were produced from results accumulated in an October 2017 round robin, consisting of 90 sulphur and 68 carbon results to certify this material.

The material is a Low Grade Transitional Ore. It can be used as a reference material for monitoring and testing the accuracy of laboratory assay data.

All CRMs are dried in an oven for a minimum of 12 hours at 110°C. The dry material is then pulverised to better than 75 micron using an air classifier. The materials are packaged in heat sealed, air tight, foil lined pulp packets ready for distribution.

This product remains stable in its original packaging, away from direct sunlight. This product is not hazardous and is non-toxic.



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