

# Certified Acid Neutralising Capacity (ANC), Sulphur and Carbon Reference Material Certificate

**EGICRM024436**

**Date of issue:** 20 February 2024

## Certified Control Values

### Acid Neutralising Capacity (ANC)

ANC Value	516 kg H <sub>2</sub> SO <sub>4</sub> /t
Standard Deviation	15 kg H <sub>2</sub> SO <sub>4</sub> /t
95% Confidence Interval	± 3.4 kg H <sub>2</sub> SO <sub>4</sub> /t

### Sulphur

Sulphur Grade	0.31%
Standard Deviation	0.04%
95% Confidence Interval	± 0.008%

### Carbon

Carbon Grade	6.92%
Standard Deviation	0.23%
95% Confidence Interval	± 0.052%

## CRM Details

Control statistics for ANC were produced from an interlaboratory study conducted September 2021, consisting of 76 results to certify this material. Control statistics for sulphur and carbon were produced from results accumulated in an October 2018 round robin, consisting of 106 sulphur and 74 carbon results to certify this material.

The material is an Acurite and Malachite, with Carbonate, Quartz, Talc and Fuchsite. 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.



## Scan the QR code to learn more about CRM Certificates

EGi are world leaders in environmental geochemistry and hydrochemical services for mine waste and water management from exploration, risk assessment and modeling, operational audits and reviews, through to rehabilitation, closure and monitoring.