

May 2018
Sheet 084

PRODUCT DATA SHEET

Product WHITING LIMESTONE FEED MATERIAL 38 % CALCIUM

Typical Chemical Analysis

Calcium Carbonate (equivalent)	CaCO ₃	Typically 97.0 % (Specification - greater than 95%)
Calcium (equivalent)	Ca	Typically 38.8%
Calcium Oxide	CaO	Typically 54.3 %
Loss on Ignition		42.0 %
Acid Insoluble Ash		Typically less than 3.0% (Specification - less than 5%)
Silicon Dioxide	SiO ₂	Typically 2.8 %
Magnesium Oxide	MgO	Typically 0.2 %
Sodium	Na	trace
Potassium	K	trace
Copper	Cu	Typically 5 to 9 mg/kg
Manganese	Mn	Typically 200-400 mg/kg
Zinc	Zn	Typically 20-40 mg/kg
Iron	Fe	Typically 400-600 mg/kg
Lead	Pb	Specification less than 20 mg/kg
Arsenic	As	Specification less than 15 mg/kg
Fluoride	(as F)	Specification less than 350 mg/kg
Dioxins		Specification less than 0.75 ng/kg
Cadmium	Cd	Specification less than 2 mg/kg
Mercury	Hg	Specification less than 0.1 mg/kg
Volatiles by Volume		0%
Pesticide residue		None detected

Physical Analysis

Moisture Content	Typically 0.2 %
Bulk Density	Approx 1.0 tonne m ⁻³
Solid Density	2.63 tonne m ⁻³

Properties

Appearance	White granular material.
Melting Point	825 °C
Solubility	~1 mg in 100 ml water

Particle Size (Typical Grading)

	%Passing
2.00 mm	100%
125 µm	>85%
63 µm	>70%

Handling Precautions

See Materials Safety Data Sheet - Available on request

Certificate valid for one year from issue date

The above results are for a typical batch of product produced by Kilwaughter Minerals Ltd and intended for reference only. It should be noted that limestone is a naturally occurring product and as such minor variations between batches are inevitable.