

May 18  
Sheet 007**PRODUCT DATA SHEET****Product****Limestone – KF30****Typical Chemical Analysis**

Calcium Carbonate (equivalent)	CaCO <sub>3</sub>	Typically, 97.0 %
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%
Silicon Dioxide	SiO <sub>2</sub>	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	Less than 20 mg/kg
Arsenic	As	Less than 15 mg/kg
Fluoride	(as F)	Less than 350 mg/kg
Cadmium	Cd	Less than 2 mg/kg
Mercury	Hg	Less than 0.1 mg/kg
Chloride (water soluble)	Cl	Less than 0.01%

**Physical Analysis**

Moisture Content	Typically 0.2 %
Loose Bulk Density	Approx 1.0 tonne m <sup>-3</sup>
Solid Density	2.63 tonne m <sup>-3</sup>

**Properties**

Appearance	Fine white powder.
Melting Point	825 °C
Solubility	~1 mg in 100 ml water

**Particle Size (Typical Grading)**

	% by weight undersize
500 µm	100.0 %
125 µm	~ 99.7 %
30 µm	~ 50 %

**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.