



**ANALYTICAL
LABORATORIES**

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REPORT ON SAMPLE OF MINERAL DUST

FILE NO : 110781095

DATE ISSUE

8/07/2011

ROB HOWE
UNIT 5005, 5 PARKLAND BVD
BRISBANE, QLD 4000

CLIENT ID :
PHONE : 0447 888 018

REFERENCE

SAMPLE ID : MINERAL DUST
ANALYSIS REQUIRED : Full (FT-2) TSi

REFERENCE ID :
PHONE :
DATE RECEIVED : 4/07/2011
SOURCE:

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	0.0467	Dumas method, LECO
TOTAL PHOSPHORUS	P	ppm	90.3	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	0.025	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	0.24	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	12.89	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	0.2	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.067	Acid digestion, ICPAES
TOTAL IRON	Fe	%	8.9	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	151	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	124.1	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	30.1	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	2.06	Acid digestion, ICPAES
TOTAL BORON	B	ppm	26.1	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	0.818	Acid digestion, ICPAES
pH	1:5 Water		11	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	756	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	3.11	Method 6B3, LECO*
MOISTURE CONTENT	MC	%	5.7	Gravimetric method
CARBON / NITROGEN RATIO	C/N		66.6	Calculation
TOTAL SILICA	Si	%	51.14	Adaption of Method 13A1*

* Rayment, G.E. & Higginson, F.R. (1992). Australian Laboratory Handbook for Soil and Water Chemical Methods. Inkata Press, Port Melbourne, Australia.