



SWEP
PTY. LTD.

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**ANALYTICAL
LABORATORIES**

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REPORT ON SAMPLE OF SOLID FERTILISER

FILE NO : 2307178689

DATE ISSUED : 20/07/2023

KISMET INTERNATIONAL PTY LTD
FOR AND ON BEHALF OF GUANO AUSTRALIA P/L
4 SCHWARTZ STREET
BUDERIM, QLD 4556

CLIENT ID : KISMET
PHONE : 07 5445 5300

REFERENCE : KISMET INTERNATIONAL PTY LTD

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PHONE : 07 5445 5300

SAMPLE ID : GUANO GOLD - KWIK START

DATE RECEIVED : 17/07/2023

ANALYSIS REQUIRED : Full (FT-2) Heavy Metals, TSi

SOURCE:

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	0.25	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	%	13.8	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	0.269	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	0.251	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	30.3	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	0.413	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.391	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm	11100	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	7430	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	3040	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	725	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	4.34	Acid digestion, ICPMS
TOTAL BORON	B	ppm	14.4	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	6.33	Acid digestion, ICPMS
TOTAL SILICA	Si	%	26.5	Modified 13A*
pH	1:5 Water		7.69	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	203	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	1.48	Method 6B2, LECO*
MOISTURE CONTENT	MC	%	6.5	Gravimetric method (Crushed Sample)
CARBON / NITROGEN RATIO	C/N		5.92	Calculation
Chloride	Cl	ppm	Not required	Method 5A1, water extract*
TOTAL SELENIUM	Se	ppm	Not required	Acid digestion, ICPMS
TOTAL CADMIUM	Cd	ppm	0.618	Acid digestion, ICPMS
TOTAL MERCURY	Hg	ppm	0.00702	Acid digestion, ICPMS
TOTAL LEAD	Pb	ppm	1.2	Acid digestion, ICPMS
TOTAL ARSENIC	As	ppm	2.32	Acid digestion, ICPMS
TOTAL NICKEL	Ni	ppm	3.09	Acid digestion, ICPMS
TOTAL CHROMIUM	Cr	ppm	7.1	Acid digestion, ICPMS

* Rayment, G.E. & Lyons, D.J. (2011). Soil Chemical Methods - Australasia. CSIRO Publishing, 150 Oxford Street, Collingwood Vic 3066, Australia