



SWEP
PTY. LTD.

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**ANALYTICAL
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REPORT ON SAMPLE OF SOLID FERTILISER

FILE NO : 2307178688

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 SULPHUR GOLD - REEFSAFE

DATE RECEIVED : 17/07/2023

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

SOURCE:

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	0.0884	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	%	11.8	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	0.256	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	9.7	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	27.9	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	0.526	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.363	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm	9480	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	5380	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	1670	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	385	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	2.43	Acid digestion, ICPMS
TOTAL BORON	B	ppm	14.4	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	5.53	Acid digestion, ICPMS
TOTAL SILICA	Si	%	26	Modified 13A*
pH	1:5 Water		6.62	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	2351	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	1.05	Method 6B2, LECO*
MOISTURE CONTENT	MC	%	1.07	Gravimetric method (Crushed Sample)
CARBON / NITROGEN RATIO	C/N		11.88	Calculation
Chloride	Cl	ppm	Not required	Method 5A1, water extract*
TOTAL SELENIUM	Se	ppm	Not required	Acid digestion, ICPMS
TOTAL CADMIUM	Cd	ppm	0.430	Acid digestion, ICPMS
TOTAL MERCURY	Hg	ppm	0.00827	Acid digestion, ICPMS
TOTAL LEAD	Pb	ppm	1.18	Acid digestion, ICPMS
TOTAL ARSENIC	As	ppm	2.95	Acid digestion, ICPMS
TOTAL NICKEL	Ni	ppm	1.29	Acid digestion, ICPMS
TOTAL CHROMIUM	Cr	ppm	6.63	Acid digestion, ICPMS

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