

**SWEP**
PTY. LTD.**ANALYTICAL
LABORATORIES**

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REPORT ON SAMPLE OF Guano Sulphur Gold & Reef Safe

FILE NO : 1808137244

DATE ISSUED : 22/08/2018

KISMET INTERNATIONAL PTY. LTD.
For And on Behalf Of Guano Australia P/L
4 SCHWARTZ STREET
BUDERIM , QLD 4556CLIENT ID : KISMET
PHONE : 07 5445 5300

REFERENCE : KISMET INTERNATIONAL PTY. LTD.

REFERENCE ID : KISMET
PHONE : 07 5445 5300

SAMPLE ID : Guano Sulphur Gold & Reef Safe

DATE RECEIVED : 17/08/2018

ANALYSIS REQUIRED : Full (FT-2) Heavy Metals

SOURCE:

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	0.0906	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	%	12.6	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	0.133	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	11	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	26.2	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	0.26	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.105	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm	7360	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	5140	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	4060	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	277	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	7.93	Acid digestion, ICPAES
TOTAL BORON	B	ppm	24.4	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	37.3	Acid digestion, ICPAES
pH	1:5 Water		5.58	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	3120	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	0.807	Method 6B2, LECO*
MOISTURE CONTENT	MC	%	2.5	Gravimetric method
CARBON / NITROGEN RATIO	C/N		8.91	Calculation
Chloride	Cl	ppm	55.7	Method 5A1, water extract*
TOTAL SELENIUM	Se	ppm	4.76	Acid digestion, ICPAES
TOTAL CADMIUM	Cd	ppm	<DL	DL=0.00005 Acid digestion, ICPAES
TOTAL MERCURY	Hg	ppm	<DL	DL=0.0008 Acid digestion, ICPAES
TOTAL LEAD	Pb	ppm	<DL	DL=0.0008 Acid digestion, ICPAES
TOTAL ARSENIC	As	ppm	5.63	Acid digestion, ICPAES
TOTAL NICKEL	Ni	ppm w/w	1.31	Acid digestion, ICPAES
TOTAL CHROMIUM	Cr	ppm w/w	3.07	Acid digestion, ICPAES
Water Soluble Phosphorus	P	ppm	1609	Water Extraction, ICPAES
Citrate Soluble Phosphorus	P	%	11.8	2% citric acid, ICPAES
Insoluble Phosphorus	P	%	0.8	Calculation
TOTAL SILICA	Si	%	24.8	Modified 13A1*
AVAILABLE CALCIUM	Ca	%	1.56	15D3
AVAILBALE PHOSPHORUS	P	ppm	1820	Olsen extractable, 9C1

DL=Detection Limit

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