



**SWEP**  
PTY. LTD.

ABN 26 005 031 569

**ANALYTICAL  
LABORATORIES**

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**REPORT ON SAMPLE OF FERTILISER**

FILE NO : 2201166194

DATE ISSUED : 9/02/2022

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 3

DATE RECEIVED : 27/01/2022

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

SOURCE:

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	0.107	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	%	12.6	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	0.301	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	16.2	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	27.5	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	0.45	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.394	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm	9620	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	7290	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	2720	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	562	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	1.23	Acid digestion, ICPAES
TOTAL BORON	B	ppm	7.53	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	2.04	Acid digestion, ICPAES
pH	1:5 Water		7.3	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	2250	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	1.09	Method 6B2, LECO*
MOISTURE CONTENT	MC	%	2.64	Gravimetric method
CARBON / NITROGEN RATIO	C/N		10.19	Calculation
Chloride	Cl	ppm	634	Method 5A1, water extract*
TOTAL SELENIUM	Se	ppm	0.487	Acid digestion, ICPAES
TOTAL CADMIUM	Cd	ppm	0.554	Acid digestion, ICPMS
TOTAL MERCURY	Hg	ppm	0.00527	Acid digestion, ICPMS
TOTAL LEAD	Pb	ppm	1.25	Acid digestion, ICPMS
TOTAL ARSENIC	As	ppm	1.69	Acid digestion, ICPMS
TOTAL NICKEL	Ni	ppm	2.27	Acid digestion, ICPMS
TOTAL CHROMIUM	Cr	ppm	11.7	Acid digestion, ICPMS
Water Soluble Phosphorus	P	%	0.0171	Water Extraction, ICPAES
Citrate Soluble Phosphorus	P	%	9.42	2% citric acid, ICPAES
Insoluble Phosphorus	P	%	3.18	Calculation
TOTAL SILICA	Si	%	28.4	Modified 13A1*
AVAILABLE CALCIUM	Ca	%	1.08	15D3
AVAILBALE PHOSPHORUS	P	ppm	1100	Olsen extractable, 9C1

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