



SWEP
PTY. LTD.

ABN 26 005 031 569

**ANALYTICAL
LABORATORIES**

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REPORT ON SAMPLE OF SOLID FERTILISER

FILE NO : 2207170693

DATE ISSUED : 26/07/2022

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

REFERENCE ID : KISMET
PHONE : 07 5445 5300

SAMPLE ID : KMS

DATE RECEIVED : 21/07/2022

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

SOURCE:

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
Result of analysis as received:				
TOTAL NITROGEN	N	%	0.119	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	%	0.000315	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	22.1	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	17.4	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	0.0606	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	6.53	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.248	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm	129	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	2.41	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	1.74	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	1.61	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	0.0326	Acid digestion, ICPAES
TOTAL BORON	B	ppm	5.28	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	0.0567	Acid digestion, ICPAES
pH	1:5 Water		7.16	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	67000	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	0.15	Method 6B2, LECO*
MOISTURE CONTENT	MC	%	1.39	Gravimetric method
CARBON / NITROGEN RATIO	C/N		1.26	Calculation
Chloride	Cl	ppm	9260	Method 5A1, water extract*
TOTAL SELENIUM	Se	ppm	0.0172	Acid digestion, ICPAES
TOTAL CADMIUM	Cd	ppm	0.000755	Acid digestion, ICPMS
TOTAL MERCURY	Hg	ppm	0.024	Acid digestion, ICPMS
TOTAL LEAD	Pb	ppm	0.0294	Acid digestion, ICPMS
TOTAL ARSENIC	As	ppm	0.0244	Acid digestion, ICPMS
TOTAL NICKEL	Ni	ppm	0.0581	Acid digestion, ICPMS
TOTAL CHROMIUM	Cr	ppm	0.231	Acid digestion, ICPMS
TOTAL ALUMINIUM	Al	ppm	97.6	Acid digestion, ICPMS

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