

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

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FILE NO : 120486699

DATE ISSUED : 4/05/2012

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.

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PHONE : 07 5445 5300

SAMPLE ID : GUANO SULPHUR GOLD

DATE RECEIVED : 30/04/2012

ANALYSIS REQUIRED : Full (FT-2), AvCa, AvP, Citrate Soluble & Insoluble P, TSi, Cr, Ni, Pb, Cd, As, Hg

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	0.172	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	%	10.5	Acid digestion, ICPAES
Available Phosphorus	P	ppm	625	reported 11/05/2012 Olsen extractable, 9C1*
Citrate Soluble Phosphorus		%	5.82	reported 11/05/2012 2% citric acid, ICPAES
Citrate Insoluble Phosphorus		%	4.68	reported 11/05/2012 Calculation
TOTAL POTASSIUM	K	%	0.437	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	12.7	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	24.9	Acid digestion, ICPAES
Available Calcium		%	3.4	reported 11/05/2012 15D3 or 15C1*
TOTAL MAGNESIUM	Mg	%	0.561	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.447	Acid digestion, ICPAES
TOTAL IRON	Fe	%	1.12	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	4970	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	2540	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	410	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	4.16	Acid digestion, ICPAES
TOTAL BORON	B	ppm	17.4	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	5.61	Acid digestion, ICPAES
pH	1:5 Water		6.6	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	2860	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	1.35	Method 6B3, LECO*
MOISTURE CONTENT	MC	%	5.67	Gravimetric method
CARBON / NITROGEN RATIO	C/N		7.85	Calculation
TOTAL CADMIUM	Cd	ppm	0.774	reported 11/05/2012 Acid digestion, ICPAES
TOTAL MERCURY	Hg	ppm	ND	reported 11/05/2012 Acid digestion, ICPAES
TOTAL LEAD	Pb	ppm	2.24	reported 11/05/2012 Acid digestion, ICPAES
TOTAL ARSENIC	As	ppm	4.69	reported 11/05/2012 Acid digestion, ICPAES
TOTAL CHROMIUM	Cr	ppm	31.3	reported 11/05/2012 Acid digestion, ICPAES
TOTAL NICKEL	Ni	ppm	8.51	reported 11/05/2012 Acid digestion, ICPAES
TOTAL SILICA	Si	%	20.8	reported 11/05/2012 Adaption of Method 13A1*

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

ND = Not Detected