



**SWEP**  
PTY. LTD.

**ANALYTICAL  
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**REPORT ON SAMPLE OF GUANO GOLD-KWIK START**

**FILE NO :** 1412108360

**DATE ISSUED :** 19/12/2014

Date re-issued : 12/01/2015

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

**SAMPLE ID :** GUANO GOLD-KWIK START

**DATE RECEIVED :** 17/12/2014

**ANALYSIS REQUIRED :** Full (FT-2), Heavy Metals, Cl, Se, Al, Si

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	% w/w	0.0821	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	% w/w	12.8	Acid digestion, ICPAES
TOTAL POTASSIUM	K	% w/w	0.278	Acid digestion, ICPAES
TOTAL SULPHUR	S	% w/w	0.17	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	% w/w	39.1	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	% w/w	0.296	Acid digestion, ICPAES
TOTAL SODIUM	Na	% w/w	0.353	Acid digestion, ICPAES
TOTAL IRON	Fe	% w/w	1.15	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm w/w	6000	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm w/w	2420	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm w/w	566	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm w/w	3.99	Acid digestion, ICPAES
TOTAL BORON	B	ppm w/w	12.8	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm w/w	2.46	Acid digestion, ICPAES
pH	1:5 Water		7.5	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	189	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	% w/w	1.98	Method 6B3, LECO*
MOISTURE CONTENT	MC	%	3.58	Gravimetric method
CARBON / NITROGEN RATIO	C/N		24.12	Calculation
Chloride	Cl	ppm w/w	49.3	Method 5A1, water extract*
TOTAL SELENIUM	Se	ppm w/w	3.68	Acid digestion, ICPAES
TOTAL CADMIUM	Cd	ppm w/w	0.834	Acid digestion, ICPAES
TOTAL MERCURY	Hg	ppm w/w	<DL	DL=0.00001 Acid digestion, ICPAES
TOTAL LEAD	Pb	ppm w/w	3.24	Acid digestion, ICPAES
TOTAL ARSENIC	As	ppm w/w	7.95	Acid digestion, ICPAES
TOTAL NICKEL	Ni	ppm w/w	7.31	Acid digestion, ICPAES
TOTAL CHROMIUM	Cr	ppm w/w	19.1	Acid digestion, ICPAES
TOTAL ALUMINIUM	Al	% w/w	2.44	Acid digestion, ICPAES
TOTAL SILICA	Si	% w/w	17.1	Modified 13A1*

\* Rayment, G.E. & Lyons, D.J. (2011). Soil Chemical Methods - Australasia. CSIRO Publishing, 150 Oxford Street, Collingwood Vic 3066, Australia  
ND = Not Detected < DL = Less than Detection Limit

ASPAC Certified Laboratory.

AQIS Approved Quarantine Site.

Victorian DPI accreditation to receive samples from PIZ and PCN infested zones.