



SWEP
PTY. LTD.

**ANALYTICAL
LABORATORIES**

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REPORT ON SAMPLE OF KMS FERTILISER

FILE NO : 1412108140 **DATE ISSUED :** 9/12/2014

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 : KMS FERTILISER

ANALYSIS REQUIRED : Full (FT-2) Heavy Metals Package, Cl, TSe, TAl

DATE RECEIVED : 3/12/2014

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
Results of analysis on sample on dry weight basis:				
TOTAL NITROGEN	N	% w/w	0.0344	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	% w/w	0.00227	Acid digestion, ICPAES
TOTAL POTASSIUM	K	% w/w	20.0	Acid digestion, ICPAES
TOTAL SULPHUR	S	% w/w	18.0	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	% w/w	0.0535	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	% w/w	7.46	Acid digestion, ICPAES
TOTAL SODIUM	Na	% w/w	0.639	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm w/w	239	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm w/w	2.63	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm w/w	15.9	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm w/w	1.04	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm w/w	0.0664	Acid digestion, ICPAES
TOTAL BORON	B	ppm w/w	45.1	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm w/w	0.44	Acid digestion, ICPAES
pH	1:5 Water		8.4	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	63300	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	% w/w	0.338	Method 6B3, LECO*
MOISTURE CONTENT	MC	%	1.17	Gravimetric method
CARBON / NITROGEN RATIO	C/N		9.83	Calculation
Chloride	Cl	% w/w	2.06	Method 5A1, water extract*
TOTAL SELENIUM	Se	ppm w/w	< DL	DL = 0.002 Acid digestion, ICPAES
TOTAL CADMIUM	Cd	ppm w/w	< DL	DL = 0.00005 Acid digestion, ICPAES
TOTAL MERCURY	Hg	ppm w/w	< DL	DL = 0.0008 Acid digestion, ICPAES
TOTAL LEAD	Pb	ppm w/w	< DL	DL = 0.0008 Acid digestion, ICPAES
TOTAL ARSENIC	As	ppm w/w	0.184	Acid digestion, ICPAES
TOTAL NICKEL	Ni	ppm w/w	< DL	DL = 0.0003 Acid digestion, ICPAES
TOTAL CHROMIUM	Cr	ppm w/w	< DL	DL = 0.00015 Acid digestion, ICPAES
TOTAL ALUMINIUM	Al	ppm w/w	98.3	Acid digestion, ICPAES

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

< DL = Less than Detection Limit

ASPAC Certified Laboratory.

AQIS Approved Quarantine Site.

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