



SWEP
PTY. LTD.

**ANALYTICAL
LABORATORIES**

ABN 26 005 031 569

Tel: (03) 9701 6007

REPORT ON SAMPLE OF GUANO GRANULES

FILE NO : 130191269

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STANCE AGRICULTURE PTY LTD
ATT: MATTHEW WHITEMAN
PO BOX 764
KENMORE, QLD 4069

CLIENT ID : ORG005
PHONE : 07 38 788 788

REFERENCE :

REFERENCE ID :

SAMPLE ID : STA - 101 - GUANO GRANULES

PHONE :

DATE RECEIVED : 17/01/2013

ANALYSIS REQUIRED : Full (FT-2) Cd,Hg,Pb,As,Citrate Soluble P,
Water Soluble P

SOURCE:

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	0.116	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	%	10.2	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	0.261	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	0.208	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	27.2	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	0.443	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.408	Acid digestion, ICPAES
TOTAL IRON	Fe	%	2.36	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	2330	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	1440	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	214	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	4.53	Acid digestion, ICPAES
TOTAL BORON	B	ppm	15.6	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	3.25	Acid digestion, ICPAES
pH	1:5 Water		7.6	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	2213	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	2.86	Method 6B3, LECO*
MOISTURE CONTENT	MC	%	3.49	Gravimetric method
CARBON / NITROGEN RATIO	C/N		24.66	Calculation
TOTAL CADMIUM	Cd	ppm	0.807	Acid digestion, ICPAES
TOTAL MERCURY	Hg	ppm	Nil	Acid digestion, ICPAES
TOTAL LEAD	Pb	ppm	4	Acid digestion, ICPAES
TOTAL ARSENIC	As	ppm	10.7	Acid digestion, ICPAES
CITRATE SOLUBLE PHOSPHORUS	P	%	5.73	2% citric acid, ICPAES
WATER SOLUBLE PHOSPHORUS	P	ppm	12.9	Water Extraction, ICP

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

Nil = Not Detected