



SWEP
PTY. LTD.

ABN 26 005 031 569

**ANALYTICAL
LABORATORIES**

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REPORT ON SAMPLE OF SOLID FERTILISER

FILE NO : 2307178801

DATE ISSUED : 27/07/2023

YOUNGRO PTY LTD T/AS
PREMIUM SOIL CONDDITIONERS & FERTILISERS
12 TOOGOOM CANE ROAD
CRAIGNISH, QLD 4655

CLIENT ID : PRE035
PHONE : 1300761423

REFERENCE :

REFERENCE ID :

SAMPLE ID : CHICKPHOS
ANALYSIS REQUIRED : Full (FT-2) Olsen P

PHONE :
DATE RECEIVED : 20/07/2023
SOURCE:

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	2.328	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	%	4.51	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	2.5	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	0.737	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	11	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	0.521	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.451	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm	7810	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	760	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	400	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	123	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	9.17	Acid digestion, ICPMS
TOTAL BORON	B	ppm	44.2	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	6.24	Acid digestion, ICPMS
pH	1:5 Water		6.77	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	10070	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	21.276	Method 6B2, LECO*
MOISTURE CONTENT	MC	%	7.31	Gravimetric method
CARBON / NITROGEN RATIO	C/N		9.14	Calculation
OLSEN PHOSPHORUS	P	ppm	2757	
TOTAL SELENIUM	Se	ppm	Not required	Acid digestion, ICPMS
TOTAL CADMIUM	Cd	ppm	Not required	Acid digestion, ICPMS
TOTAL MERCURY	Hg	ppm	Not required	Acid digestion, ICPMS
TOTAL LEAD	Pb	ppm	Not required	Acid digestion, ICPMS
TOTAL ARSENIC	As	ppm	Not required	Acid digestion, ICPMS
TOTAL NICKEL	Ni	ppm	Not required	Acid digestion, ICPMS
TOTAL CHROMIUM	Cr	ppm	Not required	Acid digestion, ICPMS

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