

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

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**REPORT ON SAMPLE OF LIQUID FERTILISER**

FILE NO : 1804134103

DATE ISSUED :

19/04/2018

CHARLIE CARP LTD  
LOT 2 SALEYARDS ROAD  
DENILIQUIN, NSW 2710CLIENT ID : CHA088  
PHONE : 03 5881 8882

## REFERENCE :

SAMPLE ID : CHARLIE CARP PREMIUM ORGANIC FERTILISER BATCH 71  
ANALYSIS REQUIRED : Full (FT-2), SG, Solids

## REFERENCE ID :

PHONE :  
DATE RECEIVED : 9/04/2018  
SOURCE:**Results of analysis as received:**

ITEMS	ABBREVIATION	RESULTS (w/v)		RESULTS (w/w)		ANALYTICAL METHODS
TOTAL NITROGEN	N	1.67	%	1.61	%	Dumas method, 7A5*
TOTAL PHOSPHORUS	P	0.529	%	0.509	%	Acid digestion, ICPAES
TOTAL POTASSIUM	K	0.354	%	0.341	%	Acid digestion, ICPAES
TOTAL SULPHUR	S	0.506	%	0.486	%	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	0.152	%	0.147	%	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	0.0276	%	0.0266	%	Acid digestion, ICPAES
TOTAL SODIUM	Na	0.0734	%	0.0706	%	Acid digestion, ICPAES
TOTAL IRON	Fe	28.1	ppm	27	ppm	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	4.15	ppm	3.99	ppm	Acid digestion, ICPAES
TOTAL ZINC	Zn	42.9	ppm	41.2	ppm	Acid digestion, ICPAES
TOTAL COPPER	Cu	121	ppm	116	ppm	Acid digestion, ICPAES
TOTAL COBALT	DL = 0.0003 Co	< DL	ppm	< DL	ppm	Acid digestion, ICPAES
TOTAL BORON	B	38	ppm	36.6	ppm	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	0.0721	ppm	0.0693	ppm	Acid digestion, ICPAES
TOTAL ORGANIC CARBON	OC	7.5	%	7.21	%	Method 6B3, LECO*

DL = Detection Limit

ITEMS	ABBREVIATION	RESULTS	UNIT	ANALYTICAL METHODS
pH		3.19		Direct reading
Electrical Conductivity		16400	µS/cm	Direct reading
CARBON / NITROGEN RATIO	C/N	4.49		Calculation
SPECIFIC GRAVITY	SG	1.04		at 24.1°C, 1 atmosphere
TOTAL SOLIDS		16.9	%	Gravimetric Method

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