



SWEP
PTY. LTD.

**ANALYTICAL
LABORATORIES**

Tel: (03) 9701 6007

REPORT ON SAMPLE OF WATER

FILE NO : 2209171662

DATE ISSUED : 14/09/2022

MICROBIOLOGY LABS AUSTRALIA
PO BOX 230
MELROSE PARK DC, SA 5039

CLIENT ID : MIC017
PHONE : 08 7127 8982

REFERENCE :

REFERENCE ID :

PHONE :

DATE RECEIVED : 9/09/2022

SAMPLE ID : 3367-1-NANC (PLANT & SOIL FOOD/NOURISH)

ANALYSIS REQUIRED : Full (WT-8)

ITEMS	ABBREVIATION	UNIT	RESULTS	UNIT	
TOTAL CALCIUM	Ca	ppm	86.2	meq/litre	4.31
TOTAL MAGNESIUM	Mg	ppm	30.2	meq/litre	2.52
TOTAL SODIUM	Na	ppm	172	meq/litre	7.48
TOTAL POTASSIUM	K	ppm	386	meq/litre	9.9
TOTAL IRON	Fe	ppm	33.3		
TOTAL MANGANESE	Mn	ppm	0.313		
TOTAL ZINC	Zn	ppm	0.595		
TOTAL COPPER	Cu	ppm	0.631		
TOTAL CHLORIDE	Cl	ppm	106		
TOTAL CARBONATE	CO ₃	ppm	ND		
TOTAL BICARBONATE	HCO ₃	ppm	332		
Electrical Conductivity		µS/cm	2250		
pH			6.12		
TOTAL SOLUBLE SALTS	TSS	ppm	1440		
TOTAL BORON	B	ppm	0.253		
NITROGEN as Nitrate	N	ppm	120		
NITROGEN as Nitrite	N	ppm	17.5		
TOTAL PHOSPHORUS	P	ppm	35.5		
TOTAL SULPHUR	S	ppm	107		
TOTAL CADMIUM	Cd	ppm	0.000532		
TOTAL LEAD	Pb	ppm	0.018		
TOTAL MERCURY	Hg	ppm	0.0205		
TOTAL ARSENIC	As	ppm	0.0096		
TOTAL NICKEL	Ni	ppm	0.0344		
TOTAL CHROMIUM	Cr	ppm	0.052		
TOTAL TIN	Sn	ppm	0.0036		
TOTAL HARDNESS AS CaCO ₃			339.61		

< DL = Less than Detection Limit

ND = Not Detected

Please refer to SWEP fact sheets for understanding your report:**No.1** Using Farm Water - How suitable is a water source for general farm use**No.2a,b** Water quality for Irrigation - Total Soluble Salt levels**No.3** Salt tolerance of plants - For assessing the suitability of various irrigated crops**No.4** Drinking water quality - How suitable is a water source for human consumption

These fact sheets should be accompanied with this report.

ITEMS	Analytical Methods
TOTAL CALCIUM	ICPAES
TOTAL MAGNESIUM	ICPAES
TOTAL SODIUM	ICPAES
TOTAL POTASSIUM	ICPAES
TOTAL IRON	Acid digestion, ICPAES
TOTAL MANGANESE	Acid digestion, ICPAES
TOTAL ZINC	Acid digestion, ICPAES
TOTAL COPPER	Acid digestion, ICPAES
TOTAL CHLORIDE	Titrimetric
TOTAL CARBONATE	Water 006*
TOTAL BICARBONATE	Water 006*
Electrical Conductivity	Direct reading
pH	Direct reading
TOTAL SOLUBLE SALTS	Calculation
TOTAL BORON	ICPAES
NITROGEN as Nitrate	Automated colour, Continuous Segmented Flow
NITROGEN as Nitrite	Adaptation of EPA Diazotization method 354.1
TOTAL PHOSPHORUS	ICPAES
TOTAL SULPHUR	ICPAES
TOTAL MOLYBDENUM	ICPAES
TOTAL CADMIUM	ICPAES
TOTAL LEAD	ICPAES
TOTAL MERCURY	ICPAES
TOTAL ARSENIC	ICPAES
TOTAL NICKEL	ICPAES
TOTAL CHROMIUM	ICPAES

* Division of Agricultural Chemistry. Department of Agriculture, Victoria. Compiled by Fung, K.H.