

REPORT ON SAMPLE OF WATER
FILE NO : 2507192736

DATE ISSUED : 23/07/2025

 REFRESH WATERS
 956 CHELTENHAM RD
 DANDENONG, VIC 3175

CLIENT ID : REF002
PHONE :
REFERENCE :
REFERENCE ID :
PHONE :
SAMPLE ID : DISTILLIED WATER

DATE RECEIVED : 15/07/2025

ANALYSIS REQUIRED : Drinking & Biological

ITEMS	ABBREVIATION	UNIT	RESULTS	UNIT	
TOTAL CALCIUM	Ca	ppm	0.1	meq/litre	0.01
TOTAL MAGNESIUM	Mg	ppm	0.1	meq/litre	0.01
TOTAL SODIUM	Na	ppm	0.5	meq/litre	0.02
TOTAL POTASSIUM	K	ppm	0.1	meq/litre	0
TOTAL IRON	Fe	ppm	0.025		
TOTAL MANGANESE	Mn	ppm	0.00025		
TOTAL ZINC	Zn	ppm	0.01		
TOTAL COPPER	Cu	ppm	0.005		
TOTAL CHLORIDE	Cl	ppm	0.5		
TOTAL CARBONATE	CO ₃	ppm	ND		
TOTAL BICARBONATE	HCO ₃	ppm	2		
Electrical Conductivity		µS/cm	1.59		
pH			7.44		
TOTAL SOLUBLE SALTS	TSS	ppm	1.02		
TOTAL BORON	B	ppm	0.025		
NITROGEN as Nitrate	N	ppm	0.05		
NITROGEN as Nitrite	N	ppm	0.01		
TOTAL PHOSPHORUS	P	ppm	0.05		
TOTAL SULPHUR	S	ppm	0.1		
TOTAL CADMIUM	Cd	ppm	Not Required		
TOTAL LEAD	Pb	ppm	Not Required		
TOTAL MERCURY	Hg	ppm	Not Required		
TOTAL ARSENIC	As	ppm	Not Required		
TOTAL NICKEL	Ni	ppm	Not Required		
TOTAL CHROMIUM	Cr	ppm	Not Required		
TOTAL TIN	Sn	ppm	Not Required		
TOTAL HARDNESS AS CaCO ₃			0.66		

DL = Detection Limit

ND = Not Detected

ITEMS	UNIT	RESULTS
E.Coli <i>escherichia coli</i>	MPN/100ml	< 1
Total Coliform Bacteria	MPN/100ml	< 1
Total Bacteria Count	cfu/ml	61

cfu = colony forming unit

MPN = Most Probable Number

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.