

LORIS H HASSALL TRADING PTY LTD

TREATED BRINE EFFLUENT TEST RESULTS 2024-2025



EPA LOCATION ID 1

EPA LICENSE NUMBER: 12765

*Not Tested (NT) No Sample (NS)

ANALYSIS	LOR	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	HIGH	LOW	AVE
pH - pH Units	-	6.36	6.82	6.66	6.56	6.61								6.82	6.36	6.60
EC (Electrical Conductivity) - µS/cm	5	230000	230000	231000	227000	225000								231000	225000	228600.00
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	0.05	420	310	380	320	330								420	310	352.00
Total P (Phosphorus) - mg/L	0.01	1.4	3.9	1.7	1.4	1.8								3.9	1.4	2.04
Total Suspended Solids - mg/L	1	1	73	1	1	1200								1200	1	255.20
TDS (Total Dissolved Solids) - mg/L	1	236000	226000	239000	268000	231000								268000	226000	240000.00
BOD (Biological Oxygen Demand) - mg/L	2	2000	1600	1300	1800	2100								2100	1300	1760.00
COD (Chemical Oxygen Demand) - mg/L	2	18000	18000	20000	10000	2600								20000	2600	13720.00
Nitrate - mg/L	0.005	0.005	0.068	0.06	0.058	0.24								0.24	0.005	0.09
Nitrite N - mg/L	0.005	0.006	0.068	0.015	0.005	0.013								0.068	0.005	0.02
DEM (Oil & Grease) - mg/L	2	2	11	3	2	43								43	2	12.20
Sulphide as S ²⁻ - mg/L	0.02	1.45	2.07	0.63	1.63	0.51								2.07	0.51	1.26
Sulphur as S - mg/L	0.1	440	290	480	0.58	340								480	0.58	310.12
Sulphite as SO ₃ ²⁻ - mg/L	0.5	0.5	2	0.5	1	1								2	0.5	1.00
Chloride - mg/L	2	170000	170000	140000	160000	140000								170000	140000	156000.00
Sodium - mg/L	1	105000	96600	97400	100000	90600								105000	90600	97920.00
Potassium - mg/L	0.2	1080	710	780	1200	1260								1260	710	1006.00
Calcium - mg/L	0.1	120	110	170	13700	140								13700	110	2848.00
Magnesium - mg/L	0.05	96	76	110	11600	120								11600	76	2400.40
SAR	0.8	1730	1730	1430	1520	1360								1730	1360	1554.00
Sulphate - mg/L	5	1350	730	910	1000	740								1350	730	946.00
Total N (Nitrogen) - mg/L	0.05	420	310	380	320	330								420	310	352.00

Items in grey are additional testing not required by EPA licence.