

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	5.92							6.82	5.92	6.49
EC (Electrical Conductivity) - µS/cm	5	230000	230000	231000	227000	225000	22600							231000	22600	194266.67
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	0.05	420	310	380	320	330	350							420	310	351.67
Total P (Phosphorus) - mg/L	0.01	1.4	3.9	1.7	1.4	1.8	1.4							3.9	1.4	1.93
Total Suspended Solids - mg/L	1	1	73	1	1	1200	1							1200	1	212.83
TDS (Total Dissolved Solids) - mg/L	1	236000	226000	239000	268000	231000	202000							268000	202000	233666.67
BOD (Biological Oxygen Demand) - mg/L	2	2000	1600	1300	1800	2100	2000							2100	1300	1800.00
COD (Chemical Oxygen Demand) - mg/L	2	18000	18000	20000	10000	2600	4100							20000	2600	12116.67
Nitrate - mg/L	0.005	0.005	0.068	0.06	0.058	0.24	0.005							0.24	0.005	0.07
Nitrite N - mg/L	0.005	0.006	0.068	0.015	0.005	0.013	0.005							0.068	0.005	0.02
DEM (Oil & Grease) - mg/L	2	2	11	3	2	43	2							43	2	10.50
Sulphide as S2 - mg/L	0.02	1.45	2.07	0.63	1.63	0.51	0.85							2.07	0.51	1.19
Sulphur as S - mg/L	0.1	440	290	480	0.58	340	340							480	0.58	315.10
Sulphite as SO3 2- mg/L	0.5	0.5	2	0.5	1	1	1							2	0.5	1.00
Chloride - mg/L	2	170000	170000	140000	160000	140000	140000							170000	140000	153333.33
Sodium - mg/L	1	105000	96600	97400	100000	90600	169000							169000	90600	109766.67
Potassium - mg/L	0.2	1080	710	780	1200	1260	1290							1290	710	1053.33
Calcium - mg/L	0.1	120	110	170	13700	140	98							13700	98	2389.67
Magnesium - mg/L	0.05	96	76	110	11600	120	89							11600	76	2015.17
SAR	0.8	1730	1730	1430	1520	1360	2970							2970	1360	1790.00
Sulphate - mg/L	5	1350	730	910	1000	740	800							1350	730	921.67
Total N (Nitrogen) - mg/L	0.05	420	310	380	320	330	350							420	310	351.67

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