

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	6.5	6.69					6.82	5.92	6.52
EC (Electrical Conductivity) - µS/cm	5	230000	230000	231000	227000	225000	22600	223000	229000					231000	22600	202200.00
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	0.05	420	310	380	320	330	350	510	550					550	310	396.25
Total P (Phosphorus) - mg/L	0.01	1.4	3.9	1.7	1.4	1.8	1.4	4.6	6.6					6.6	1.4	2.85
Total Suspended Solids - mg/L	1	1	73	1	1	1200	1	20	410					1200	1	213.38
TDS (Total Dissolved Solids) - mg/L	1	236000	226000	239000	268000	231000	202000	285000	251000					285000	202000	242250.00
BOD (Biological Oxygen Demand) - mg/L	2	2000	1600	1300	1800	2100	2000	2400	3600					3600	1300	2100.00
COD (Chemical Oxygen Demand) - mg/L	2	18000	18000	20000	10000	2600	4100	1600	9400					20000	1600	10462.50
Nitrate - mg/L	0.005	0.005	0.068	0.06	0.058	0.24	0.005	0.005	0.005					0.24	0.005	0.06
Nitrite N - mg/L	0.005	0.006	0.068	0.015	0.005	0.013	0.005	0.005	0.005					0.068	0.005	0.02
DEM (Oil & Grease) - mg/L	2	2	11	3	2	43	2	30	14					43	2	13.38
Sulphide as S2 - mg/L	0.02	1.45	2.07	0.63	1.63	0.51	0.85	0.36	1.02					2.07	0.36	1.07
Sulphur as S - mg/L	0.1	440	290	480	0.58	340	340	330	390					480	0.58	326.32
Sulphite as SO3 2- mg/L	0.5	0.5	2	0.5	1	1	1	2	7					7	0.5	1.88
Chloride - mg/L	2	170000	170000	140000	160000	140000	140000	140000	130000					170000	130000	148750.00
Sodium - mg/L	1	105000	96600	97400	100000	90600	169000	91600	92200					169000	90600	105300.00
Potassium - mg/L	0.2	1080	710	780	1200	1260	1290	150	820					1290	150	911.25
Calcium - mg/L	0.1	120	110	170	13700	140	98	3.3	36					13700	3.3	1797.16
Magnesium - mg/L	0.05	96	76	110	11600	120	89	9.8	110					11600	9.8	1526.35
SAR	0.8	1730	1730	1430	1520	1360	2970	56.1	1720					2970	56.1	1564.51
Sulphate - mg/L	5	1350	730	910	1000	740	800	1070	950					1350	730	943.75
Total N (Nitrogen) - mg/L	0.05	420	310	380	320	330	350	510	550					550	310	396.25

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