

LORIS H HASSALL TRADING PTY LTD

TREATED BRINE EFFLUENT TEST RESULTS 2025-2026



EPA LOCATION ID 1

EPA LICENSE NUMBER: 12765

*Not Tested (NT) No Sample (NS)

ANALYSIS	LOR	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	HIGH	LOW	AVE
pH - pH Units	-	6.55	7.32	7.17	6.96	6.67	6.2	6.3	6.21					7.32	6.2	6.67
EC (Electrical Conductivity) - µS/cm	5	241000	225000	228000	236000	220000	222000	241000	233000					241000	220000	230750.00
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	0.05	310	310	370	340	430	490	560	900					900	310	463.75
Total P (Phosphorus) - mg/L	0.01	1	4.1	6.4	1	4.1	2.4	7.6	6.2					7.6	1	4.10
Total Suspended Solids - mg/L	1	73	600	2700	850	820	600	560	510					2700	73	839.13
TDS (Total Dissolved Solids) - mg/L	1	285000	235000	245000	272000	204000	210000	253000	237000					285000	204000	242625.00
BOD (Biological Oxygen Demand) - mg/L	2	2100	2600	1500	2700	3000	4100	2900	1600					4100	1500	2562.50
COD (Chemical Oxygen Demand) - mg/L	2	6200	10000	19000	20000	5400	10000	17000	3100					20000	3100	11337.50
Nitrate - mg/L	0.005	0.15	0.005	0.15	0.005	0.005	0.033	0.005	0.005					0.15	0.005	0.04
Nitrite N - mg/L	0.005	0.005	0.044	0.005	0.005	0.13	0.02	0.005	0.005					0.13	0.005	0.03
DEM (Oil & Grease) - mg/L	2	2	25	37	34	32	8	33	8					37	2	22.38
Sulphide as S2 - mg/L	0.02	1.22	0.39	0.02	0.2	0.02	0.02	6.35	0.02					6.35	0.02	1.03
Sulphur as S - mg/L	0.1	1000	370	62	260	210	210	230	140					1000	62	310.25
Sulphite as SO3 2- mg/L	0.5	0.5	0.05	0.5	8	0.5	0.5	8	0.5					8	0.05	2.32
Chloride - mg/L	2	130000	140000	140000	160000	140000	140000	170000	150000					170000	130000	146250.00
Sodium - mg/L	1	83900	87500	24500	27600	81300	140000	132000	77500					140000	24500	81787.50
Potassium - mg/L	0.2	1050	800	310	880	720	1100	1010	770					1100	310	830.00
Calcium - mg/L	0.1	49	18	4	5.5	14	2.6	4.6	7.1					49	2.6	13.10
Magnesium - mg/L	0.05	680	160	32	44	44	647	92	29					680	29	216.00
SAR	0.8	675	1430	895	862	2400	3620	2910	2880					3620	675	1959.00
Sulphate - mg/L	5	2090	740	5	830	570	500	670	490					2090	5	736.88
Total N (Nitrogen) - mg/L	0.05	310	310	370	340	420	490	560	900					900	310	462.50

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