

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	6.25	7.17	6.85	6.64	7.32	6.2	6.69
EC (Electrical Conductivity) - µS/cm	5	241000	225000	228000	236000	220000	222000	241000	233000	238000	219000	235000	235000	241000	219000	231083.33
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	0.05	310	310	370	340	430	490	560	900	970	320	380	800	970	310	515.00
Total P (Phosphorus) - mg/L	0.01	1	4.1	6.4	1	4.1	2.4	7.6	6.2	8.8	1.4	2.6	1.9	8.8	1	3.96
Total Suspended Solids - mg/L	1	73	600	2700	850	820	600	560	510	1200	380	180	570	2700	73	753.58
TDS (Total Dissolved Solids) - mg/L	1	285000	235000	245000	272000	204000	210000	253000	237000	226000	200000	225000	225000	285000	200000	234750.00
BOD (Biological Oxygen Demand) - mg/L	2	2100	2600	1500	2700	3000	4100	2900	1600	5600	3800	2500	4600	5600	1500	3083.33
COD (Chemical Oxygen Demand) - mg/L	2	6200	10000	19000	20000	5400	10000	17000	3100	6800	10000	18000	5200	20000	3100	10891.67
Nitrate - mg/L	0.005	0.15	0.005	0.15	0.005	0.005	0.033	0.005	0.005	0.005	0.047	0.072	0.067	0.15	0.005	0.05
Nitrite N - mg/L	0.005	0.005	0.044	0.005	0.005	0.13	0.02	0.005	0.005	0.005	0.005	0.29	0.01	0.29	0.005	0.04
DEM (Oil & Grease) - mg/L	2	2	25	37	34	32	8	33	8	4	3	6	2	37	2	16.17
Sulphide as S2 - mg/L	0.02	1.22	0.39	0.02	0.2	0.02	0.02	6.35	0.02	0.02	0.02	0.02	0.02	6.35	0.02	0.69
Sulphur as S - mg/L	0.1	1000	370	62	260	210	210	230	140	170	260	44	270	1000	44	268.83
Sulphite as SO3 2- mg/L	0.5	0.5	0.05	0.5	8	0.5	0.5	8	0.5	0.5	0.5	0.5	0.5	8	0.05	1.71
Chloride - mg/L	2	130000	140000	140000	160000	140000	140000	170000	150000	140000	150000	140000	170000	170000	130000	147500.00
Sodium - mg/L	1	83900	87500	24500	27600	81300	140000	132000	77500	72200	61000	69700	83500	140000	24500	78391.67
Potassium - mg/L	0.2	1050	800	310	880	720	1100	1010	770	1600	990	710	590	1600	310	877.50
Calcium - mg/L	0.1	49	18	4	5.5	14	2.6	4.6	7.1	8.4	8.8	8.5	21	49	2.6	12.63
Magnesium - mg/L	0.05	680	160	32	44	44	647	92	29	35	59	24	81	680	24	160.58
SAR	0.8	675	1430	895	862	2400	3620	2910	2880	2440	1630	2770	1850	3620	675	2030.17
Sulphate - mg/L	5	2090	740	5	830	570	500	670	490	560	750	460	630	2090	5	691.25
Total N (Nitrogen) - mg/L	0.05	310	310	370	340	420	490	560	900	970	320	380	800	970	310	514.17

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