

LORIS H HASSALL TRADING PTY LTD

TREATED BRINE EFFLUENT TEST RESULTS 2025-2026



EPA LICENSE NUMBER: 12765

*Not Tested (NT) No Sample (NS)

ANALYSIS	LOR	Jul	Aug	Sep	Oct	Noc	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			7.32	6.2	6.68
EC (Electrical Conductivity) - µS/cm	5	241000	225000	228000	236000	220000	222000	241000	233000	238000	219000			241000	219000	230300.00
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	0.05	310	310	370	340	430	490	560	900	970	320			970	310	500.00
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			8.8	1	4.30
Total N (Nitrogen) - mg/L	0.05	310	310	370	340	420	490	560	900	970	320			970	310	499.00
Total Suspended Solids - mg/L	1	73	600	2700	850	820	600	560	510	1200	380			2700	73	829.30
TDS (Total Dissolved Solids) - mg/L	1	285000	235000	245000	272000	204000	210000	253000	237000	226000	200000			285000	200000	236700.00
BOD (Biological Oxygen Demand) - mg/L	2	2100	2600	1500	2700	3000	4100	2900	1600	5600	3800			5600	1500	2990.00
COD (Chemical Oxygen Demand) - mg/L	2	6200	10000	19000	20000	5400	10000	17000	3100	6800	10000			20000	3100	10750.00
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			0.15	0.005	0.04
NOx - mg/L	0.005	0.15	0.049	0.15	0.005	0.13	0.053	0.005	0.005	0.005	0.047			0.15	0.005	0.06
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			0.13	0.005	0.02
DEM (Oil & Grease) - mg/L	2	2	25	37	34	32	8	33	8	4	3			37	2	18.60
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			6.35	0.02	0.83
Sulphur as S - mg/L	0.1	1000	370	62	260	210	210	230	140	170	260			1000	62	291.20
Maganese - mg/L	0.01	0.01	0.03	0.01	0.035	0.06	0.05	0.11	0.04	0.03	0.04			0.11	0.01	0.04
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			8	0.05	1.96
Chloride - mg/L	2	130000	140000	140000	160000	140000	140000	170000	150000	140000	150000			170000	130000	146000.00
Ammonia - mg/L	0.005	220	180	130	190	230	320	500	900	390	320			900	130	338.00
Ammonium - mg/L	0.006	280	240	170	240	290	410	650	1200	500	410			1200	170	439.00
Sodium - mg/L	1	83900	87500	24500	27600	81300	140000	132000	77500	72200	61000			140000	24500	78750.00
Potassium - mg/L	0.2	1050	800	310	880	720	1100	1010	770	1600	990			1600	310	923.00
Calcium - mg/L	0.1	49	18	4	5.5	14	2.6	4.6	7.1	8.4	8.8			49	2.6	12.20
Magnesium - mg/L	0.05	680	160	32	44	44	647	92	29	35	59			680	29	182.20
SAR	0.8	675	1430	895	862	2400	3620	2910	2880	2440	1630			3620	675	1974.20
Sulphate - mg/L	5	2090	740	5	830	570	500	670	490	560	750			2090	5	720.50