

GEELONG LEATHER PTY LTD - CULCAIRN

SOIL ANALYSIS_BUCHLYVIE 2019

EPA ID LOCATION: 27, 28, 29, 30

EPA LICENSE NUMBER: 3465



Leather Naturally

*Not Tested (NT) No Sample (NS)

ANALYSIS	PIVOT 1				PIVOT 2				PIVOT 3				PIVOT 4			
	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE
pH - pH units	5.69	6.34	7.28	6.44	5.61	6.47	8.48	6.85	5.47	7.09	8.57	7.04	5.65	6.9	8.52	7.02
Electrical Conductivity µS/cm	180	110	150	146.67	130	130	420	226.67	310	150	250	236.67	130	120	250	166.67
TKN-N - mg/kg	780	390	260	476.67	980	380	340	566.67	1250	500	330	693.33	780	330	270	460.00
Available Phosphorus (Colwell P) - mg/kg	29	3.1	3	11.70	18	3	3	8.00	23	3.9	3	9.97	18	3	3	8.00
Emerson Aggregate Class - Class	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Permability - mm/hr	40	2.5	2.5	15.00	3.75	3.75	2.5	3.33	3.75	3.75	2.5	3.33	40	3.75	3.75	15.83
Exchangeable Calcium - mg/kg	1254	884	1242	1126.67	1258	942	984	1061.33	1038	1252	1166	1152.00	856	1040	2000	1298.67
Exchangeable Magnesium - mg/kg	325	533	1269	709.00	641	916	1085	880.67	318	910	952	726.67	231	680	1070	660.33
Exchangeable Potassium - mg/kg	119	90.5	154	121.17	135	117	166	126.00	123	146	146	138.33	95.9	130	230	151.97
Exchangeable Sodium - mg/kg	77.5	146	513	245.50	142	316	642	366.67	162	357	530	349.67	51.3	243	317	203.77
Available Nitrate - mg/kg	2	0.6	0.5	1.03	2.2	1.2	1.8	1.73	12.3	6.2	6	8.17	6	0.3	0	2.10
Total Nitrogen - %	0.078	0.05	0.05	0.06	0.098	0.05	0.05	0.07	0.126	0.051	0.05	0.08	0.079	0.05	0.05	0.06
Cadmium - mg/kg	1	1	1	1.00	1	1	1	1.00	1	1	1	1.00	1	1	1	1.00
Organic Carbon - %	1.33	0.46	0.37	0.72	0.99	0.77	0.46	0.74	1.46	0.52	0.3	0.76	1.21	0.53	0.22	0.65
Total Phosphorus - mg/kg	306	10	10	108.67	241	117	138	165.33	322	116	10	149.33	204	129	10	114.33
Chromium - mg/kg	30	29	53	37.33	35	31	31	32.33	27	23	28	26.00	14	20	18	17.33
Chromium VI- mg/kg	4	0.5	0.5	1.67	4	0.5	0.5	1.67	3.8	3.9	0.5	2.73	4	0.5	0.5	1.67
Total Sulfur (LECO) - %	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Available Phosphorus (Bray P) - mg/kg	12.1	3.2	0.8	5.37	15.7	3.6	3.9	7.73	12.6	1.6	1.7	5.30	12	2	1.2	5.07
Exchangeable Aluminium - mg/kg	2.7	2.7	2.7	2.70	2.7	2.7	2.7	2.70	2.7	2.7	2.7	2.70	2.7	2.7	2.7	2.70
SAR - SAR Units	0.7	1	0.8	0.83	1.1	0.9	5.1	2.37	1.4	1.3	2.3	1.67	0.6	1.2	2.5	1.43
Chloride - mg/kg	26.4	38.9	179	81.43	18	144	266	142.67	81.3	164	141	128.77	11.9	49.5	11	24.13
CEC - cmol/kg	9.34	9.32	18.7	12.45	12.2	13.3	15.3	13.60	8.28	15	15.1	12.79	6.5	11.7	19.9	12.70
ESP - %of ECEC	1.1	3.2	8.9	4.40	2.5	6.1	7.1	5.23	1.7	6.2	7.5	5.13	0.8	5	2.8	2.87

GEELONG LEATHER PTY LTD - CULCAIRN

SOIL ANALYSIS_BUCHLYVIE 2019

EPA ID LOCATION: 31, 24, 25, 26

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Leather Naturally

*Not Tested (NT) No Sample (NS)

ANALYSIS	PIVOT 5				IRRIGATION SECTOR 13				IRRIGATION SECTOR 14				IRRIGATION SECTOR 15			
	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE	0-10 cm	10-30 cm	30-60 cm	AVE
pH - pH units	5.96	6.82	7.94	6.91	5.62	6.39	8.14	6.72	5.85	7.05	8.61	7.17	5.48	5.77	7.04	6.10
Electrical Conductivity µS/cm	130	150	150	143.33	180	170	280	210.00	190	90	260	180.00	200	150	130	160.00
TKN-N - mg/kg	630	370	350	450.00	900	420	320	546.67	900	530	310	580.00	1050	350	400	600.00
Available Phosphorus (Colwell P) - mg/kg	23	3	3	9.67	25	4.9	3	10.97	28	3.1	3	11.37	21	5.1	3	9.70
Emerson Aggregate Class - Class	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Permeability - mm/hr	40	2.5	2.5	15.00	40	2.5	2.5	15.00	2.5	3.75	3.75	3.33	3.75	3.75	3.75	3.75
Exchangeable Calcium - mg/kg	672	950	954	858.67	970	844	1704	1172.67	992	1160	1898	1350.00	834	1274	742	950.00
Exchangeable Magnesium - mg/kg	296	645	877	606.00	246	511	1054	603.67	246	806	1166	739.33	221	566	549	445.33
Exchangeable Potassium - mg/kg	87	172	193	150.67	168	118	194	160.00	97.5	162	191	150.17	103	90.5	51.1	81.53
Exchangeable Sodium - mg/kg	119	257	439	271.67	75.1	225	631	310.37	87.2	228	449	254.73	63	162	267	164.00
Available Nitrate - mg/kg	1.5	0	0	0.50	19.3	1.8	7.9	9.67	20.8	1.4	1.2	7.80	13.3	0.2	1.2	4.90
Total Nitrogen - %	0.063	0.05	0.05	0.05	0.092	0.05	0.05	0.06	0.092	0.053	0.05	0.07	0.106	0.05	0.05	0.07
Cadmium - mg/kg	1	1	1	1.00	1	1	1	1.00	1	1	1	1.00	1	1	1	1.00
Organic Carbon - %	0.79	0.4	0.25	0.48	1.22	0.39	0.26	0.62	1.6	0.56	0.3	0.82	1.4	1.08	0.67	1.05
Total Phosphorus - mg/kg	176	105	101	127.33	251	148	161	186.67	359	139	108	202.00	260	135	10	135.00
Chromium - mg/kg	14	17	30	20.33	20	21	20	20.33	17	29	26	24.00	20	25	29	24.67
Chromium VI- mg/kg	3.9	0.5	0.5	1.63	3.9	0.5	0.5	1.63	3.8	4	0.5	2.77	3.9	3.8	0.5	2.73
Total Sulfur (LECO) - %	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!	NT	NT	NT	#DIV/0!
Available Phosphorus (Bray P) - mg/kg	15.5	1.6	2	6.37	11.9	1.9	0.8	4.87	12.5	1.5	1.6	5.20	312.1	296.9	2.2	203.73
Exchangeable Aluminium - mg/kg	2.7	2.7	2.7	2.70	2.7	2.7	2.7	2.70	2.7	2.7	2.7	2.70	2.7	2.7	2.7	2.70
SAR - SAR Units	1.6	1.5	1.4	1.50	0.7	1.7	2.2	1.53	0.9	0.8	3.2	1.63	0.6	1.3	1	0.97
Chloride - mg/kg	21.5	68.3	163	84.27	36.2	50.3	114	66.83	49.8	57.8	14.9	40.83	37.7	12.8	165	71.83
CEC - cmol/kg	6.19	11	13.7	10.30	7.41	9.11	19.2	11.91	7.3	13.5	20.5	13.77	6.33	11.6	8.89	8.94
ESP - %of ECEC	2.4	5	8.8	5.40	1.1	4.3	8.1	4.50	1	4.7	4.9	3.53	0.9	3	6.1	3.33