

ANALYTICAL REPORT

CLIENT:	Eclipse Resources	REPORT NO:	2019_403
TEST REQUEST:	AS 4419	LAB SAMPLE ID:	2019_403
ADDRESS:	P.O. Box 474 Subiaco, WA	DATE RECEIVED:	12/04/2019
CLIENT SAMPLE ID:	Blended Topsoil	DATE TESTED:	17/04/2019 - 14/05/2019
SAMPLING LOCATION:	Abercrombie	DATE REPORTED:	15/05/2019

TEST RESULTS

Analytes	Results	Unit	AS4419 Compliance Requirements	Test Method
Electrical Conductivity	1.31	mS/cm	< 1.2	Appendix D of AS 4419-2003
pH	7.06		5.5 – 7.5	Appendix D of AS 4419-2003
Ammonium-N	0.20	mg/L	< 200	Appendix D of AS 4419-2003
Phosphate-P	0.01	mg/L	< 5	Appendix D of AS 4419-2003
Carbon (dry weight)	2.061	%	≥ 1.8%	Leco furnace
Organic Matter (dry weight)	3.504	%	≥ 3%	AS 4419-2003 5.3
Sulphur (dry weight)	14.56	%	n/a	Leco furnace
Nitrogen Drawdown Index	0.57		> 0	Appendix E of AS 4419-2003
Bioassay/Toxicity	361	Growth Index	≥ 70% of control	Appendix F of AS 4419-2003
Bulk Density (dry)	1.42	kg/L	> 0.7	Appendix B of AS 4419-2003
Wettability	400	mm/minute	> 5	Appendix C of AS 4419-2003
Dispersibility (H ₂ O)	Category 1		Category 1 or 2	Appendix G of AS 4419-2003
Dispersibility (CaCl ₂)	Category 1			Appendix G of AS 4419-2003
Permeability	31.2	cm/hour	2 – 100	Appendix H of AS 4419-2003
Soil Texture	Sandy loam			Appendix I of AS 4419-2003
Large Particles 10 – 20 mm	0.15	%	< 8%	AS 4419-2003 Clause 5.14
Large Particles > 20 mm	0.00	%	< 2%	AS 4419-2003 Clause 5.14

These results reflect our findings for the received sample only.

Tested by: GM

Date: 17/04/2019 - 14/05/2019

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