

Southern Meats Pty Ltd
Mazamet Road PO Box 244
Goulburn NSW 2580
Attention: Scott Newton

Wednesday, October 24, 2018



NATA Accredited Laboratory
Number: 9597

Accredited for compliance with
ISO/IEC 17025 - Testing

LABORATORY ANALYSIS REPORT

Report Number: 1809-0101

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For all enquiries related to this report please quote document number: 1809-0101

Facility:	Order #	SM Soils 2018/19-1
Sample Type	Collected By	Date Received
Soil	P. Paradice	21-September-2018

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
18Sep-0279	SS1 19.09.18	Calcium, soluble/exchangeable	5.75 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	11 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	3.61 cmol/kg	LTM-S-005	0.02
		Nitrate as N	7 mg/kg	LTM-S-007	1
		Phosphorous Sorption	214 mg/kg	* R&L 9I2a	
		Phosphorus, Total	1410 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	6.4 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	1.53 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.50 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2660 mg/kg	LTM-S-011	2
18Sep-0280	SS2 19.09.18	Calcium, soluble/exchangeable	5.10 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	10 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	3.14 cmol/kg	LTM-S-005	0.02
		Nitrate as N	24 mg/kg	LTM-S-007	1
		Phosphorous Sorption	266 mg/kg	* R&L 9I2a	
		Phosphorus, Total	900 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	6.2 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	1.64 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.60 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2120 mg/kg	LTM-S-011	2
18Sep-0281	SS3 19.09.18				

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Soil	P. Paradice	21-September-2018

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
18Sep-0281	SS3 19.09.18	Calcium, soluble/exchangeable	8.85 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	16 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	5.06 cmol/kg	LTM-S-005	0.02
		Nitrate as N	9 mg/kg	LTM-S-007	1
		Phosphorous Sorption	312 mg/kg	* R&L 9I2a	
		Phosphorus, Total	3400 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	5.9 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	1.12 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.88 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	5520 mg/kg	LTM-S-011	2
18Sep-0282	SS4 19.09.18	Calcium, soluble/exchangeable	4.44 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	9 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	3.19 cmol/kg	LTM-S-005	0.02
		Nitrate as N	57 mg/kg	LTM-S-007	1
		Phosphorous Sorption	126 mg/kg	* R&L 9I2a	
		Phosphorus, Total	668 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	6.5 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.77 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	1.05 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1970 mg/kg	LTM-S-011	2
18Sep-0283	SS5 19.09.18				

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Soil	P. Paradice	21-September-2018

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
18Sep-0283	SS5 19.09.18	Calcium, soluble/exchangeable	8.25 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	12 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	2.49 cmol/kg	LTM-S-005	0.02
		Nitrate as N	3 mg/kg	LTM-S-007	1
		Phosphorous Sorption	138 mg/kg	* R&L 9I2a	
		Phosphorus, Total	404 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.7 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.64 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.84 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2380 mg/kg	LTM-S-011	2
18Sep-0284	SS6 19.09.18	Calcium, soluble/exchangeable	4.24 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	6 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	1.14 cmol/kg	LTM-S-005	0.02
		Nitrate as N	4 mg/kg	LTM-S-007	1
		Phosphorous Sorption	237 mg/kg	* R&L 9I2a	
		Phosphorus, Total	173 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.8 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.45 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.32 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1120 mg/kg	LTM-S-011	2
18Sep-0285	SS7 19.09.18				

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Sample Type	Collected By	Date Received
Soil	P. Paradice	21-September-2018

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
18Sep-0285	SS7 19.09.18	Calcium, soluble/exchangeable	5.70 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	10 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	2.71 cmol/kg	LTM-S-005	0.02
		Nitrate as N	16 mg/kg	LTM-S-007	1
		Phosphorous Sorption	237 mg/kg	* R&L 9I2a	
		Phosphorus, Total	516 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.9 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.49 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	1.19 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1600 mg/kg	LTM-S-011	2
18Sep-0286	SS8 19.09.18	Calcium, soluble/exchangeable	4.01 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	7 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	1.74 cmol/kg	LTM-S-005	0.02
		Nitrate as N	2 mg/kg	LTM-S-007	1
		Phosphorous Sorption	487 mg/kg	* R&L 9I2a	
		Phosphorus, Total	292 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	6.5 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	1.15 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.30 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1820 mg/kg	LTM-S-011	2
18Sep-0287	SS9 19.09.18				

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Soil	P. Paradice	21-September-2018

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
18Sep-0287	SS9 19.09.18	Calcium, soluble/exchangeable	5.70 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	10 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	3.57 cmol/kg	LTM-S-005	0.02
		Nitrate as N	6 mg/kg	LTM-S-007	1
		Phosphorous Sorption	405 mg/kg	* R&L 9I2a	
		Phosphorus, Total	264 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	6.1 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.77 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.15 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2640 mg/kg	LTM-S-011	2
18Sep-0288	SS10 19.09.18	Calcium, soluble/exchangeable	0.62 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	1 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	0.27 cmol/kg	LTM-S-005	0.02
		Nitrate as N	18 mg/kg	LTM-S-007	1
		Phosphorous Sorption	202 mg/kg	* R&L 9I2a	
		Phosphorus, Total	120 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	4.8 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.22 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.08 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	603 mg/kg	LTM-S-011	2

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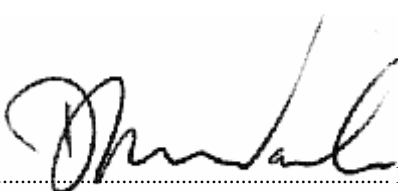
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Facility:	Order #	SM Soils 2018/19-1
Sample Type	Collected By	Date Received
Soil	P. Paradise	21-September-2018

<u>EAL ID</u>	<u>Client ID.</u> Date/Time sample taken	<u>Test</u>	<u>Result (units)</u>	<u>Method Reference</u>	<u>Limit of Reporting</u>
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Note:

* NATA Accreditation does not cover the performance of this service.

Signed  David Wade, Laboratory Manager.

All samples analysed as received.
All soil results are reported on a dry basis.
The EAL takes no responsibility for the end use of results within this report.
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