

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

Friday, June 19, 2020



NATA Accredited Laboratory  
Number: 9597

Accredited for compliance with  
ISO/IEC 17025 - Testing

## LABORATORY ANALYSIS REPORT

Report Number: 2005-0132

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For all enquiries related to this report please quote document number: 2005-0132

<u>Facility:</u>	<u>Order #</u>	
<u>Sample Type</u>	<u>Collected By</u>	<u>Date Received</u>
Soil	Client	22-May-2020

<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>
20May-0340	SS1 21.05.20	Calcium, soluble/exchangeable	4.01 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	8 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	2.54 cmol/kg	LTM-S-005	0.02
		Nitrate as N	7 mg/kg	LTM-S-007	1
		Phosphorous Sorption	184 mg/kg	* R&L 9I2a	
		Phosphorus, Total	526 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.4 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.77 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.24 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2860 mg/kg	LTM-S-011	2
20May-0341	SS2 21.05.20	Calcium, soluble/exchangeable	3.71 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	7 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	2.58 cmol/kg	LTM-S-005	0.02
		Nitrate as N	21 mg/kg	LTM-S-007	1
		Phosphorous Sorption	149 mg/kg	* R&L 9I2a	
		Phosphorus, Total	672 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.4 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.97 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.20 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	3490 mg/kg	LTM-S-011	2
20May-0342	SS3 21.05.20				

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Soil	Client	22-May-2020

<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>
20May-0342	SS3 21.05.20	Calcium, soluble/exchangeable	5.43 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	10 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	3.11 cmol/kg	LTM-S-005	0.02
		Nitrate as N	9 mg/kg	LTM-S-007	1
		Phosphorous Sorption	250 mg/kg	* R&L 9I2a	
		Phosphorus, Total	725 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.3 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	1.62 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.11 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2980 mg/kg	LTM-S-011	2
20May-0343	SS4 21.05.20	Calcium, soluble/exchangeable	7.13 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	14 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	5.17 cmol/kg	LTM-S-005	0.02
		Nitrate as N	45 mg/kg	LTM-S-007	1
		Phosphorous Sorption	285 mg/kg	* R&L 9I2a	
		Phosphorus, Total	268 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.9 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	1.10 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.74 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	3570 mg/kg	LTM-S-011	2
20May-0344	SS5 21.05.20				

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Soil	Client	22-May-2020

<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>
20May-0344	SS5 21.05.20	Calcium, soluble/exchangeable	12.2 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	14 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	1.56 cmol/kg	LTM-S-005	0.02
		Nitrate as N	2 mg/kg	LTM-S-007	1
		Phosphorous Sorption	220 mg/kg	* R&L 9I2a	
		Phosphorus, Total	438 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.9 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.46 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.16 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1590 mg/kg	LTM-S-011	2
20May-0345	SS6 21.05.20	Calcium, soluble/exchangeable	5.38 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	7 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	1.21 cmol/kg	LTM-S-005	0.02
		Nitrate as N	5 mg/kg	LTM-S-007	1
		Phosphorous Sorption	321 mg/kg	* R&L 9I2a	
		Phosphorus, Total	261 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.9 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.63 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	<0.02 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1850 mg/kg	LTM-S-011	2
20May-0346	SS7 21.05.20				

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Soil	Client	22-May-2020

<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>
20May-0346	SS7 21.05.20	Calcium, soluble/exchangeable	3.87 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	8 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	2.35 cmol/kg	LTM-S-005	0.02
		Nitrate as N	11 mg/kg	LTM-S-007	1
		Phosphorous Sorption	30 mg/kg	* R&L 9I2a	
		Phosphorus, Total	412 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	8.2 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.49 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	1.05 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1750 mg/kg	LTM-S-011	2
20May-0347	SS8 21.05.20	Calcium, soluble/exchangeable	4.41 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	6 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	1.39 cmol/kg	LTM-S-005	0.02
		Nitrate as N	5 mg/kg	LTM-S-007	1
		Phosphorous Sorption	534 mg/kg	* R&L 9I2a	
		Phosphorus, Total	762 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	8.2 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.28 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	0.05 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	2090 mg/kg	LTM-S-011	2
20May-0348	SS9 21.05.20				

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20May-0348	SS9 21.05.20	Calcium, soluble/exchangeable	0.66 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	1 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	0.20 cmol/kg	LTM-S-005	0.02
		Nitrate as N	5 mg/kg	LTM-S-007	1
		Phosphorous Sorption	427 mg/kg	* R&L 9I2a	
		Phosphorus, Total	190 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	8.1 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.23 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	<0.02 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1380 mg/kg	LTM-S-011	2
20May-0349	SS10 21.05.20	Calcium, soluble/exchangeable	0.72 cmol/kg	LTM-S-005	0.02
		Effective Cation Exchange Capacity	1 cmol/kg	* R&L J1	1
		Magnesium, soluble/exchangeable	0.18 cmol/kg	LTM-S-005	0.02
		Nitrate as N	15 mg/kg	LTM-S-007	1
		Phosphorous Sorption	256 mg/kg	* R&L 9I2a	
		Phosphorus, Total	131 mg/kg	LTM-S-015	2
		pH (1:5 soil/water)	7.8 pH units	LTM-S-004	
		Potassium, soluble/exchangeable	0.26 cmol/kg	LTM-S-005	0.05
		Sodium, soluble/exchangeable	<0.02 cmol/kg	LTM-S-005	0.02
		Total Kjeldahl Nitrogen	1320 mg/kg	LTM-S-011	2

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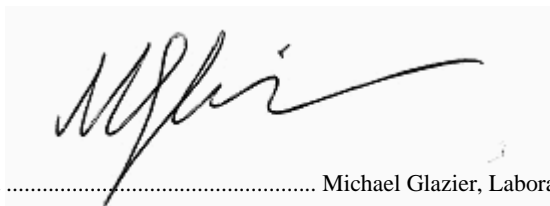
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*Note:*

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



Signed ..... Michael Glazier, Laboratory Manager.

*All samples analysed as received.  
All soil results are reported on a dry basis.  
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