



Australasian Soil and Plant Analysis Council Inc.

*This is to certify that*

**Nutrient Advantage Laboratory Services #CMA-054**

*meets ASPAC's proficiency criteria for the following methods conducted in the Soil Proficiency Testing Program, 2016*

• Ammonium Nitrogen (mg/kg)	7C2
• CaCl <sub>2</sub> Extractable B (mg/kg)	12C2
• Exch Aluminium (cmol+/kg)	15G1
• Exch Calcium (cmol+/kg)	15D3
• Exch Potassium (cmol+/kg)	15D3
• Exch Magnesium (cmol+/kg)	15D3
• Exch Sodium (cmol+/kg)	15D3
• Ext Copper (mg/kg)	12A1
• Ext Iron (mg/kg)	12A1
• Ext Manganese (mg/kg)	12A1
• Acid P (mg/kg)	9G2
• Bray P (mg/kg)	9E2
• Colwell P (mg/kg)	9B2
• Olsen P (mg/kg)	9C2
• Ext Sulphur (mg/kg)	10B1
• Ext Sulphur (mg/kg)	10D1
• Ext Zinc (mg/kg)	12A1
• M3-Aluminium (mg/kg)	18F1
• M3-Boron (mg/kg)	18F1
• M3-Calcium (mg/kg)	18F1
• M3-Copper (mg/kg)	18F1
• M3-Iron (mg/kg)	18F1
• M3-Potassium (mg/kg)	18F1
• M3-Magnesium (mg/kg)	18F1
• M3-Manganese (mg/kg)	18F1
• M3-Sodium (mg/kg)	18F1
• M3-Phosphorus (mg/kg)	18F1
• M3-Sulphur (mg/kg)	18F1
• M3-Zinc (mg/kg)	18F1
• Nitrate Nitrogen (mg/kg)	7C2
• Organic Carbon W&B (%)	6A1
• PBI Colwell (L/kg)	9I2a
• pH CaCl <sub>2</sub> (pH units)	4B2
• pH Water (pH units)	4A1
• Total Nitrogen (%)	7A2
• Total Nitrogen (%)	7A5
• Total Phosphorus (%)	Not Specified
• Water Ext Cl (mg/kg)	5A2

*Method codes are from Rayment and Lyons (2011)*

D. Lyons  
Chairperson, ASPAC

R. Hill  
Convenor, Lab Proficiency Committee