

# CS1 Complete Soil Analysis



**Customer:**  
APAL

**Agent:**  
TIM WALKER

**Sample Name:**  
#1

**Crop:**  
Beans

Control 13697

**Lab No.:** Z141

**Date:** 4-Jun-15

				Very Low	Low	Acceptable	High	Excessive	
		Unit	Desired Level	Level Found					
		ECEC	c.mol/kg	5 - 25	6.33				
		Organic Carbon (W&B)	%	>0.5	1.30				
		pH 1:5 (Water)		6.0 - 7.0	6.60				
		pH 1:5 (CaCl2)		5.5 - 6.5	5.87				
Exchangeable N-P-K-S	Nitrate - N		ppm	10 - 50	8.9				
	Ammonium - N		ppm	1 - 5	1.6				
	Colwell Phosphorus		ppm	25 - 35	52				
	PBI + CoIP			<100	42				
	DGT P		ug/L	-	NR				
	Colwell K		ppm	40 - 80	286				
	KCl Sulfur (S)		ppm	10 - 20	7.9				
Exchangeable cations	Calcium (Ca)		ppm	900 - 1000	888				
			c.mol/kg		4.43				
	Magnesium (Mg)		ppm	150 - 175	115				
			c.mol/kg		0.95				
	Potassium (K)		ppm	> 100	257				
			c.mol/kg		0.66				
	Sodium (Na)		ppm	< 70	67				
			c.mol/kg		0.29				
Exch. Aluminium (Al)		c.mol/kg	< 0.5	<0.02					
Exch. Hydrogen		c.mol/kg	-	<0.02					
Salt	Chlorides (Cl)		ppm	<120	NR				
	Salinity EC 1:5		dS/m	< 0.15	0.08				
Trace Elements	Boron (B)		ppm	0.5 - 2.0	0.72				
	DTPA Iron (Fe)		ppm	10 - 70	86				
	DTPA Manganese (Mn)		ppm	4 - 50	6.6				
	DTPA Copper (Cu)		ppm	0.5 - 5.0	1.04				
	DTPA Zinc (Zn)		ppm	1.0 - 5.0	1.81				
Exchangeable Cation %	Ca:Mg RATIO			2 - 8	4.68				
	Calcium		% Ca	60 - 75	70.0				
	Magnesium		% Mg	10 - 20	14.9				
	Potassium		% K	3 - 8	10.4				
	Sodium		% Na	<5	4.6				
	Exch. Aluminium		% Al	<5	0.0				
	Exch. Hydrogen		% H	>0	0.0				
					Notes				

Analysis by APAL, PO Box 327, 489 The Parade, Magill SA 5072  
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NR Test not requested

NT Not tested. Exchangeable hydrogen/aluminium test valid for acid soils only.