



SWEP
PTY. LTD.

**ANALYTICAL
LABORATORIES**

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REPORT ON SAMPLE OF GYPSUM

FILE NO : 1504111243

DATE ISSUED : 1/05/2015

MIRRIWINNI LIME
PO BOX 2
MIRRIWINNI, QLD 4871

CLIENT ID : MIR010
PHONE : 07 4067 6133

SAMPLE ID : GQ-1
ANALYSIS REQUIRED : Gypsum quality (GQ-1)

DATE RECEIVED : 29/04/2015

ITEMS	ABBREVIATION	UNIT	RESULTS
Results of analysis on sample on dry weight basis:			
pH		(1:5 Water)	7.7
Electrical Conductivity		µS/cm	2340
GYPSUM	CaSO ₄ .2H ₂ O	%	84.9
TOTAL SULPHUR	S	%	15.8
TOTAL CALCIUM	Ca	%	21.4
TOTAL SODIUM	Na	%	0.0536
MOISTURE CONTENT	MC	%	27.7

Gypsum described as Grade 1 : Gypsum must contain a minimum of 15.0% sulphur (S) and a minimum of 19.0% Calcium (Ca).

Gypsum described as Grade 2 : Gypsum must contain a minimum of 12.5% sulphur (S) and a minimum of 15.5% Calcium (Ca).

Gypsum described as Grade 3 : Gypsum must contain a minimum of 10.0% sulphur (S) and a minimum of 12.5% Calcium (Ca).

This sample complies with the standard for Gypsum under the 1995 Victorian Agricultural and Veterinary Chemicals (Fertilisers) Regulation (Statutory Rule No 25/1995)

ITEMS	ANALYTICAL METHODS
GYPSUM	Calculated from Total Sulphur
TOTAL SULPHUR	HCl Evaporation, ICPAES
TOTAL CALCIUM	HCl Evaporation, ICPAES
TOTAL SODIUM	HCl Evaporation, ICPAES
MOISTURE CONTENT	Gravimetric method