



SWEP PTY. LTD.

ABN 26 005 031 569

**ANALYTICAL
LABORATORIES**

Tel: (03) 9701 6007

REPORT ON SAMPLE OF GYPSUM

FILE NO : 2003150525

DATE ISSUED : 30/03/2020

MIRIWinni LIME PTY LTD
ATT: JENNY & MAX
PO BOX 2
MIRIWinni, QLD 4871

CLIENT ID : MIR010
PHONE : 07 4067 6133

SAMPLE ID : REDHILL SAMPLE 2

DATE RECEIVED : 26/03/2020

ANALYSIS REQUIRED : Gypsum quality

ITEMS	ABBREVIATION	UNIT	RESULTS
Results of analysis on sample on dry weight basis:			
pH		(1:5 Water)	7.7
Electrical Conductivity		µS/cm	2300
GYPSUM	CaSO ₄ .2H ₂ O	%	80.1
TOTAL SULPHUR	S	%	14.9
TOTAL CALCIUM	Ca	%	19
TOTAL SODIUM	Na	%	0.012
MOISTURE CONTENT	MC	%	3.42

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)

ANALYTICAL METHODS

Items	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