



SWEP
PTY. LTD.

**ANALYTICAL
LABORATORIES**

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REPORT ON SAMPLE OF GYPSUM

FILE NO : 1410106427

DATE ISSUED : 10/10/2014

CONWAY'S
PO BOX 137

CLIENT ID : CON023
PHONE : 03 5083 3369

HOPETOUN, VIC 3396

SAMPLE ID : CONWAYS NYPO

DATE RECEIVED : 8/10/2014

ANALYSIS REQUIRED : Gypsum quality (GQ-1)

ITEMS	ABBREVIATION	UNIT	RESULTS
pH		(1:5 Water)	8.3
Electrical Conductivity		µS/cm	2220
GYPSUM	CaSO ₄ .2H ₂ O	%	91.4
TOTAL SULPHUR	S	%	17.0
TOTAL CALCIUM	Ca	%	22.5
TOTAL SODIUM	Na	%	0.0204

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