

## Modderfontein Laboratory Services (Pty) Ltd

Registration Number : 1966/001741/07

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Client Name: NJATI HOLDINGS

Client Address: P.O.Box 1436

Fontainbleau

2032

Date Received: 08/03/2021

Date Reported: 15/04/2021

Product Name: Middelburg Gypsum

Gr. No.: 281641

Lims ID: 307427

P.O. No.:

Batch No.: 08032021

### CERTIFICATE OF ANALYSIS

Test	Test Method	Result	Specification	Unit
Calcium as Ca	MDF 820	18.2	>18	% m/m
Sulphur as S	ALFA 10/1	13.3	>12	% m/m
Total Magnesium as Mg	MDF 820	8.8		% m/m
Water Soluble Magnesium as Mg	MDF 820	0.9		% m/m
CaSO <sub>4</sub> .2H <sub>2</sub> O	Calculation	62.3		% m/m
CaSO <sub>4</sub> .2H <sub>2</sub> O (Dry Basis)	Calculation	67.1		% m/m
Calcium Carbonate (CaCO <sub>3</sub> )	Calculation	9.2		% m/m
Magnesium Carbonate (MgCO <sub>3</sub> )	Calculation	21.4		% m/m
pH (10% slurry)	ALFA 19/1	9.6		units
Loss on drying @ 220 °C	Gravimetric	20.2		% m/m
Free Moisture	Gravimetric	7.1		% m/m
Sieve Analysis: <2.0mm	Wet Screening	98.0		% m/m
Sieve Analysis: <0.25mm	Wet Screening	97.4		% m/m
Arsenic as As	MDF 821	<1	50	mg/kg
Cadmium as Cd	MDF 821	<0.1	20	mg/kg
Chromium as Cr	MDF 821	1.0	1750	mg/kg
Copper as Cu	MDF 821	0.4	750	mg/kg
Lead as Pb	MDF 821	<0.5	400	mg/kg
Mercury as Hg	MDF 821	<0.5	10	mg/kg
Nickel as Ni	MDF 821	7.0	200	mg/kg
Selenium as Se	MDF 821	<2	15	mg/kg
Zinc as Zn	MDF 821	4.6	2750	mg/kg

Results reported are on sample as received.

NOTE: 1) CaSO<sub>4</sub>.2H<sub>2</sub>O calculated on dry basis by removing the free moisture content.

2) Calculated results reflect the likely composition.



D. Reddy

Fertilizer Manager

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