

## Modderfontein Laboratory Services (Pty) Ltd

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Client Name: NJATI HOLDINGS

Gr. No.: 281641

Client Address: P.O.Box 1436

Lims ID: 307428

Fontainbleau

2032

Date Received: 08/03/2021

P.O. No.:

Date Reported: 01/04/2021

Product Name: Phalaborwa Gypsum

Batch No.: 08032021

### CERTIFICATE OF ANALYSIS

Test	Test Method	Result	Specification	Unit
Calcium as Ca	MDF 820	19.0	>18	% m/m
Sulphur as S	ALFA 10/1	15.1	>12	% m/m
Total Magnesium as Mg	MDF 820	<0.01		% m/m
Water Soluble Magnesium as Mg	MDF 820	<0.01		% m/m
CaSO <sub>4</sub> .2H <sub>2</sub> O	Calculation	81.2		% m/m
CaSO <sub>4</sub> .2H <sub>2</sub> O (Dry Basis)	Calculation	98.6		% m/m
pH (10% slurry)	ALFA 19/1	4.8		units
Loss on drying @ 220 °C	Gravimetric	34.6		% m/m
Free Moisture	Gravimetric	17.6		% m/m
Sieve Analysis:<2.0mm	Wet Screening	99.2		% m/m
Sieve Analysis:<0.25mm	Wet Screening	98.9		% 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	2.4	1750	mg/kg
Copper as Cu	MDF 821	6.6	750	mg/kg
Lead as Pb	MDF 821	11	400	mg/kg
Mercury as Hg	MDF 821	<0.5	10	mg/kg
Nickel as Ni	MDF 821	<0.5	200	mg/kg
Selenium as Se	MDF 821	<2	15	mg/kg
Zinc as Zn	MDF 821	0.9	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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