

# 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: 27/03/2019

Date Reported: 04/04/2019

Product Name: Middelburg Gypsum

Gr. No.: 239577

Lims ID: 294968

P.O. No.:

Batch No.:

## CERTIFICATE OF ANALYSIS

| Test   | Test Method | Result | Specification | Unit  |
|--|-------------|--------|---------------|-------|
| Calcium as Ca                                    | MDF 820     | 19.5   | >18           | % m/m |
| Sulphur as S                                     | ALFA 10/1   | 15.0   | >12           | % m/m |
| CaSO <sub>4</sub> .2H <sub>2</sub> O             | Calculation | 64.0   |               | % m/m |
| CaSO <sub>4</sub> .2H <sub>2</sub> O (Dry Basis) | Calculation | 73.6   |               | % m/m |
| pH of a 10% Slurry                               | ALFA 19/1   | 9.7    |               | Unit  |
| Loss on drying @ 220°C                           | Gravimetric | 29.1   |               | % m/m |
| Free Moisture                                    | Gravimetric | 14.9   |               | % m/m |
| CaCO <sub>3</sub>                                | Calculation | 6.6    |               | % m/m |
| MgCO <sub>3</sub>                                | Calculation | 13.0   |               | % m/m |
| MgSO <sub>4</sub>                                | Calculation | 1.8    |               | % m/m |

Analysis was done on sample as received.

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



D. Reddy

Fertilizer Manager

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08/04/19.