

ARASAN PHOSPHATES PRIVATE LIMITED
S.No.148/12, 13, 17, 19 & 20, Kothali Village
Ottapidaram Taluk, Tuticorin District, Tamilnadu

PLASTER OF PARIS - CERAMIC (BETA) GRADE

Date:25.09.09

CERTIFICATE OF ANALYSIS

Batch No.: 256

Date of Manufacturing: Sep' 09

Results of Analysis : (Percent by mass)

1. Description : White Powder

2. **Physical Properties:-**

Mixing Ratio (POP in gm: Water in ml) : 100 : 75

- | | |
|---------------------------|--|
| a. Blending Time | : 6 Minutes (Our Limit : Max.7 Minutes) |
| b Residue on 120 Mesh | : 0.60% (Our Limit Max.1%) |
| c. Initial Setting Time | : 22 Minutes 16 Seconds (Our Limit: 18-24 Minutes) |
| d. Final Setting Time | : 30 Minutes 15 Seconds (Our Limit:26 -36 Minutes) |
| e. Raise in Temperature | : 14 Deg.C (Our Limit : 10-15 Deg) |
| f. Dry Modulus of Rupture | : 41 Kgs/Cm² (Our Limit: Min.40Kgs/Cm ²) |
| g. Bulk Density | : 1.04% (Our Limit : Min.1.0%) |
| h. ph | : 7.13 (Our Limit 7 - 7.5) |
| h.Porosity | : 50.15% (Our Limit : 46-54%) |
| i. Water Separation | : Negligible (Our Limit : Negligible) |
| j.Spread Test | : 190 mm (Our Limit : More than 180 mm) |

REPORT: In the opinion of the undersigned

the sample referred is of Standard Quality

not of Standard Quality

Signed by

Person in-charge of Testing