

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

DI - CALCIUM PHOSPHATE
DEFLUORINATED GRADE

Report No.0118

Date: 25.09.09

CERTIFICATE OF ANALYSIS AS PER I.S.I

Batch No: 9050

Date of Manufacturing: Sep'09

Results of Analysis :

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| 1. Description | : White powder, odourless, free from undesirable odour, putrefied smell |
| 2. Moisture , percent by mass
(at 60 Deg.C under 20" Hg Pr. Vacuum) | : 3.82% (I.S.I. Limit: Not more than 5%) |
| 3. Calcium (as Ca) , percent by mass | : 23.28% (I.S.I.Limit: Not less than 23%) |
| 4. Phosphorous (as P) , percent by mass | : 18.02% (I.S.I.Limit: Not less than 18%) |
| 5. Fluorine (as F) , percent by mass | : 0.086% (I.S.I.Limit: Not more than 0.1%) |
| 6. Acid Insoluble Ash (Sand & Silica) ,
percent by mass | : 0.88% (I.S.I. Limit: Not more than 1%) |
| 7. Total Ash , percent by mass
(at 500 +/- 25 Deg.C) | : 77.12% (I.S.I. Limit: 73.5% to 78.0%) |
| 8. Loss on Ignition (LOI) , percent by mass: | 22.92% (I.S.I. Limit: 22.0% to 26.5%) |
| 9. Lead , mg/kg by mass | : Less than 10 ppm (I.S.I. Limit: Less than 30 ppm) |
| 10. Arsenic , mg/kg by mass | : Less than 5 ppm (I.S.I. Limit: Less than 10 ppm) |
| 11. Spores of Bacillus Anthracis and Clostridium Species | : Nil (I.S.I. Limit: Should be Nil) |
| 12. Presence of Proteinous/Organic Impurities | : Nil (I.S.I. Limit: Should be Nil) |

REPORT : In the opinion of the undersigned

the sample referred is **of Standard Quality**

~~not of Standard Quality~~

Note: 1. Analysis for 3 to 10 are
on Moisture - free basis.

2. Analysis for 7 & 8 ensures that less available salts of Person in-charge of Testing
Phosphorous are absent.

Signed by