

SPECIFICATION SHEET-FINISHED PRODUCT

Material Name: Aluminium Magnesium Silicate BP

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|-----------------------------|---|---|
| CAS No. : 12511-31-8 | | |
| Mol. Formula | Al ₂ MgO ₈ Si ₂ | Mol. Weight 262.47 |
| Sr. No. | Test | Specification |
| 1 | Description* | Almost White powder, granules or plates. |
| 2 | Solubility | Practically insoluble in water & in organic solvents. It swells in water to produce a colloidal dispersion. |
| 3 | Identification | A) The residue gives the reaction of silicates. B) It gives the reaction of aluminium. C) It gives the reaction of magnesium. |
| 4 | pH (5 % W/V dispersion) | Between 9.0 to 10.0 |
| 5 | Arsenic | Not more than 3 ppm |
| 6 | Lead by AAS | Not more than 15 ppm |
| 7 | Loss on drying | Not more than 8.0 % |
| 8 | Assay as Aluminium (AAS)* | Between 95.0 % to 105.0 % |
| 9 | Assay as Magnesium (AAS) * | Between 95.0 % to 105.0 % |
| 10 | Microbial contamination TAMC TYMC E-coli | Not more than 1000 cfu/gm Not more than 100 cfu/gm Absent |

*Re-testing parameter.