

PRODUCT INFORMATION

SPEC NO. ALU - 03

January 2009
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| | |
|---|--|
| Product | Aluminium Sulphate Tetradecahydrate, pharmaceutical grade according to Ph. Eur., BP, USP |
| Product Description | Aluminium Sulphate Tetradecahydrate is manufactured by dissolving aluminium hydroxide in sulphuric acid. |
| Formula | $\text{Al}_2 (\text{SO}_4)_3 \cdot 14 \text{H}_2\text{O}$ |
| CAS No | 16828-12-9 |
| Grain Size | 0 – 2 mm |
| $\text{Al}_2 (\text{SO}_4)_3$ | 54.0 – 59.0 % |
| Water | 41.0 – 46.0 % |

Product Specification

| <u>Property</u> | <u>Unit</u> | <u>Specification</u> |
|----------------------------------|-------------|----------------------|
| Al_2O_3 | % | 17.0 min. |
| Iron | ppm | 50 max. |
| Basicity | % | 0.5 max. |
| Water-insolubles | % | 0.1 max. |
| Heavy metals | ppm | 20 max. |
| Alkali and alkaline earth metals | % | 0.4 max. |
| Ammonium | ppm | 500 max. |
| Arsenic | ppm | 3 max. |

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Physical Characteristics

| | | |
|---|---------|------------------------|
| Density (20 °C) | approx. | 1.7 g/cm ³ |
| Bulk Density | approx. | 1000 kg/m ³ |
| Solubility in water (20 °C) | approx. | 600 g/l |
| pH (2 g / 100 ml H ₂ O, 20 °C) | approx. | 3 - 4 |

Application

Due to its vasoconstrictory effect Aluminium Sulphate Tetradecahydrate is used in pharmaceutical and cosmetic industries.

Packaging

Polylined paper bags 25 kgs net.

Storage

Bags should be closed in a dry place at room temperature.

Handling

Please see Safety Data Sheet for Aluminium Sulphate solid. National handling regulations should be taken notice of.

Note

Any details of application possibilities do not free the purchaser from the obligation of performing his own tests on the material supplied by the seller in order to determine their suitability for the intended processes and purposes. Application, use and processing of the material cannot be controlled by the seller and are thus the sole responsibility of the purchaser.

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