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## Typical Product Specifications & Properties

# Aluminum Hydroxide - ALUGEL A215

CAS Number: : 21645-51-2

| Specifications               | Limits                                                                 |
|------------------------------|------------------------------------------------------------------------|
| Density                      | 2.42                                                                   |
| Na                           | 0.5% Max.                                                              |
| As                           | 5ppm max.                                                              |
| Heavy Metals                 | 50 ppm max.                                                            |
| Ph - stat test               | min. 40 ml/ 130 ml/ 270 ml 0.1 n HCl                                   |
| pH                           | 10 Max.                                                                |
| Cl                           | 0.85% Max.                                                             |
| Tests ACC. Ph. EuR. II BP 88 | min. pH 1.8/2.3/3.0 max. 40/ max. 35 ml                                |
| Assay                        | 50-57.5% Al <sub>2</sub> O <sub>3</sub> min. 76.5% Al(OH) <sub>3</sub> |
| Bulk density, loose          | 0.2 - 0.3 g/ml                                                         |
| SO <sub>4</sub>              | 0.6% Max.                                                              |
| Loss on Drying (105°C/ 2h)   | Approx. 13%                                                            |



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| Specifications                  | Limits                   |
|---------------------------------|--------------------------|
| Rosett - Rice titration         | Min. 30 minutes          |
| Bulk Density, tapped            | 0.3 - 0.4 g/ml           |
| Acid Neutralizing Capacity, USP | 25 meq/g Min.            |
| Melting Point                   | loses water 300 c        |
| Insolubility                    | in water, alcohol        |
| Odor                            | odorless                 |
| Refractive Index                | 1.57                     |
| Molecular weight                | 78.01                    |
| Solubility                      | min. acids, caustic soda |



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