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Typical Product Specifications & Properties

Aluminum Hydroxide - ALUGEL A503

CAS Number: : 21645-51-2

Specifications	Limits
Density	2.42
Heavy Metals	50 ppm max.
As	5ppm max.
Acid Neutralizing Capacity, USP	25 meq/g Min.
Bulk Density, tapped	0.1 - 0.3 g/ml
SO ₄	0.6% Max.
Loss on Drying (105°C/ 2h)	Approx. 13%
pH	10 Max.
Assay	50-57.5% Al ₂ O ₃ min. 76.5% Al(OH) ₃
Cl	0.85% Max.
Tests ACC. Ph. EuR. II BP 88	min. pH 1.8/2.3/3.0 max. 40/ max. 35 ml
Rosett - Rice titration	Approx. 20 minutes



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Specifications	Limits
Ph - stat test	min. 30 ml/ 100ml/ 270 ml 0.1 n HCl
Bulk density, loose	0.1 - 0.3 g/ml
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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