



HEMINGS

NANJING HEMINGS NEW MATERIAL

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Magnesium Aluminum Silicate NF Type IA

(Hatorite® R)

INCI Name: Magnesium Aluminum Silicate

Description and Application

Hatorite R clay is a useful, economical grade for a wide range of applications: pharmaceutical, cosmetic, personal care, veterinary, agricultural, household and industrial products. Typical use levels are between 0.5% and 3.0%.

Specifications

Item	Specification	Test Method
*Appearance	Off-white granules or powder	-----
*Acid Demand	4.0 maximum	Current Volume USP/NF
*Al/Mg Ratio	0.5-1.2	Current Volume USP/NF
*Arsenic Content	3 ppm maximum	Current Volume USP/NF

*Lead Content	15 ppm maximum	Current Volume USP/NF
*Microbiology	**No more than 100 cfu/g bacteria **No more than 100 cfu/g fungi & yeast **No Escherichia coli **No Salmonella sp. **No Staphylococcus aureus **No Pseudomonas aeruginosa **No Gram negative organisms	Current Volume USP/NF Current Volume USP/NF Current Volume USP/NF Current Volume USP/NF Current Volume USP/NF Current Volume USP/NF T-968
*Moisture Content	8.0% maximum	Current Volume USP/NF
*pH, 5% Dispersion	9.0-10.0	Current Volume USP/NF
*Viscosity, Brookfield, 5% Dispersion	225-600 cps	Current Volume USP/NF
*X-ray Diffraction	Peaks between 1.492-1.504, 1.510- 1.540, and 15.0-17.2 Angstroms	Current Volume USP/NF

Storage

Hatorite R is hygroscopic and should be stored under dry condition.