



HEMINGS

NANJING HEMINGS NEW MATERIAL

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Magnesium Aluminum Silicate NF Type IC

(Hatorite® HV)

INCI Name: Magnesium Aluminum Silicate

Description

Hatorite HV clay is indicated where high viscosity at low solids is desired. Excellent emulsion and suspension stabilization is obtained at low use levels.

Application

It is used primarily in cosmetics (e.g., pigment suspension in mascaras and eyeshadow creams) and pharmaceuticals. Typical use levels are between 0.5% and 3%.

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	800-2200 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 HV is hygroscopic and should be stored under dry condition.