

Magnesium Aluminum Silicate (MAS) Hydroclassified USP/NF & CTFA

## **MAGNABRITE® HS**

Highly purified, selected blend of white smectite clays supplied as small flakes to ease dispersion.			
Suspension agent, thickening and binder for use in pharmaceuticals, cosmetics and personal care products. Magnabrite HS was developed to hydrate easily in hot or cold water, producing high electrolyte stability.			
This mineral is specially processed to control both purity and performance. Magnabrite HS meets all requirements set forth by the USPXXIII/NFXVIII for Purified Bentonite.			
Aerobic microbial plate count is typically 100 cfu/g. No presence of E. coli, S. aureus, Salmonella sp. or P. aeruginosa.			
Insoluble in water or alcohol; one gram of clay produces a surface area greater than 750 sq. meters when fully dispersed.			
78 minimum 4.0 pH max 8% maximum as shipped 40-200 cps. (at 5% solids) 3.5–5.5 5% dispersion 9.0-10.0		Texture: Odor: Taste: Color: Density:	Soft, slippery None None White to off-white 2.6 g/cm <sup>3</sup>
White flakes that are typically not larger than 20 mesh. Minimum 99.75% finer than 200 mesh (74 microns) Minimum 99.00% finer than 325 mesh (44 microns)			
<b>Elemental Analysis:</b> Typical values listed are not to be construed as rigid specifications.			
$\frac{\text{SiO}_2}{\text{AI}_2\text{O}_3}$ $\frac{\text{MgO}}{\text{Fe}_2\text{O}_3}$ $\frac{\text{CaO}}{\text{Na}_2\text{O}}$	77.01% 14.78% 2.44% 1.76% 1.25% 2.04%	as oxide	ls are expressed s, which are red in the mineral.
	to ease dispersion Suspension ager and personal car hot or cold water This mineral is sp Magnabrite HS in Purified Bentonit Aerobic microbia E. coli, S. aureus Insoluble in wate greater than 750 78 minimum 4.0 pH max 8% maximum as 40-200 cps. (at 9 3.5–5.5 5% dispersion 9. White flakes that Minimum 99.759 Minimum 99.009 Typical values liss SiO 2 Al 2O 3 MgO Fe 2O 3 CaO	to ease dispersion. Suspension agent, thickening and personal care products. M hot or cold water, producing hi This mineral is specially proce Magnabrite HS meets all requing Purified Bentonite. Aerobic microbial plate count is E. coli, S. aureus, Salmonella si Insoluble in water or alcohol; of greater than 750 sq. meters w 78 minimum 4.0 pH max 8% maximum as shipped 40-200 cps. (at 5% solids) 3.5–5.5 5% dispersion 9.0-10.0 White flakes that are typically Minimum 99.75% finer than 2 Minimum 99.75% finer than 3 Typical values listed are not to SiO 2 77.01% Al 2O 3 14.78% MgO 2.44% Fe 2O 3 1.76% CaO 1.25%	to ease dispersion. Suspension agent, thickening and binder for and personal care products. Magnabrite HS is hot or cold water, producing high electrolytes This mineral is specially processed to control Magnabrite HS meets all requirements set for Purified Bentonite. Aerobic microbial plate count is typically 1000 E. coli, S. aureus, Salmonella sp. or P. aerugi Insoluble in water or alcohol; one gram of cla greater than 750 sq. meters when fully disper 78 minimum Texture: 4.0 pH max Odor: 8% maximum as shipped Taste: 40-200 cps. (at 5% solids) Color: 3.5–5.5 Density: 5% dispersion 9.0-10.0 White flakes that are typically not larger than Minimum 99.75% finer than 200 mesh (74 r Minimum 99.00% finer than 325 mesh (44 r Typical values listed are not to be construed SiO 2 77.01% Al 20 3 14.78% Mg0 2.44% Fe 20 3 1.76% All meta as oxide

Packaging:

4-ply poly-lined package in boxes, moisture resistant, 50 pound net.

0.17%

9.20%

K<sub>2</sub>0 LOI