

## Magnabrite<sup>®</sup> HV

**Grade:** White flakes, mixture of smectite clays

### TYPICAL ANALYSIS

<b>General Description</b>	Highly-purified, selected blend of white smectite clays supplied as small flakes to ease dispersion.		
<b>Functional Use</b>	Stabilizing, emulsifying and suspending agent for use in cosmetics, pharmaceuticals and personal care products. Magnabrite HV is produced to deliver high viscosity and excellent rheology to be incorporated in low solids formulations..		
<b>Purity</b>	Magnabrite HV is specially produced to control both purity and performance.		
<b>Brightness</b>	78 minimum	<b>Texture</b>	Soft, slippery
<b>Moisture</b>	10% Maximum	<b>Odour</b>	None
<b>Viscosity</b>	800 - 2200 cps @ 5% solids	<b>Taste</b>	None
<b>pH</b>	8.5 – 10.5 @ 5% solids	<b>Colour</b>	White to off-white
<b>Spec. Gravity</b>	2.6		
<b>Solubility</b>	Insoluble in water or alcohol; 1g of clay produces a surface area greater than 75 m <sup>2</sup> when fully dispersed		
<b>Dry Particle Size</b>	99.00% less than 220 mesh (75 micron)		
<b>Wet Particle Size</b>	99.75% less than 200 mesh (75 micron) 99.00% less than 325 mesh (45 micron)		
<b>Elemental Analysis (Moisture Free)</b>	SiO <sub>2</sub> 70.93%	Al <sub>2</sub> O <sub>3</sub> 10.33%	
	MgO 9.17%	Fe <sub>2</sub> O <sub>3</sub> 1.51%	
	CaO 5.23%	Na <sub>2</sub> O 1.02%	
	K <sub>2</sub> O 0.76%	LOI 5.10%	
<b>Packaging</b>	5 ply Multi-wall, poly lined, moisture resistant bags (25 kg)		

The information and data contained herein are believed to be accurate and reliable. AMCOL Specialty Minerals makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.