

## Magnabrite<sup>®</sup> F

**Grade:** Powder, mixture of smectite clays

### TYPICAL ANALYSIS

<b>General Description</b>	Highly-purified, selected blend of white smectite clays supplied as a free flowing powder.		
<b>Functional Use</b>	For disintegrating, binding and suspending. Typically used in tablets, ointments and pastes. Especially useful for emulsion stabilization, and excellent for large tablets where the active ingredients are the major bulk of the tablet. Used when dry incorporation is essential for preparations.		
<b>Purity</b>	Magnabrite F is specially produced to control both purity and performance.		
<b>Brightness</b>	78 min	<b>Texture</b>	Soft, slippery
<b>Moisture</b>	8% max	<b>Odour</b>	None
<b>Viscosity</b>	150 - 450 cps @ 5% solids	<b>Taste</b>	None
<b>pH</b>	9.0 – 10.0 @ 5% solids	<b>Colour</b>	White to off-white
<b>Acid Demand</b>	4.0 pH max	<b>Density</b>	2.6g/cm <sup>3</sup>
<b>Solubility</b>	Insoluble in water or alcohol; 1g of clay produces a surface area greater than 750 m <sup>2</sup> when fully dispersed		
<b>Dry Particle Size</b>	95.00% less than 325 mesh (45 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> 10.32%	
	MgO 9.17%	Fe <sub>2</sub> O <sub>3</sub> 1.53%	
	CaO 5.23%	Na <sub>2</sub> O 1.07%	
	K <sub>2</sub> O 0.76%	LOI 9.10%	
<b>Packaging</b>	5 ply Multi-wall, poly lined, moisture resistant bags (25 kg)		

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