



## BARYTES B5000

### MINERALOGICAL COMPOSITION

A high purity natural barium sulphate which may contain trace quantities of calcium carbonate and/or silica

Free Quartz 0.5 %

### CHEMICAL ANALYSIS

BaSO<sub>4</sub> 95.00 % min  
 CaCO<sub>3</sub> 0.30 %  
 SiO<sub>2</sub> 1.15 %  
 Fe<sub>2</sub>O<sub>3</sub> 0.04 %  
 Al<sub>2</sub>O<sub>3</sub> 0.13 %

### CHEMICAL PROPERTIES

Loss on ignition 0.07 %  
 Solubility in water 0.09 %  
 Acid soluble barium 100 ppm max  
 pH 7

### PHYSICAL PROPERTIES

Specific gravity 4400 kg/m<sup>3</sup>  
 Tamped density 2200 kg/m<sup>3</sup>  
 Hardness (Mohs) 3

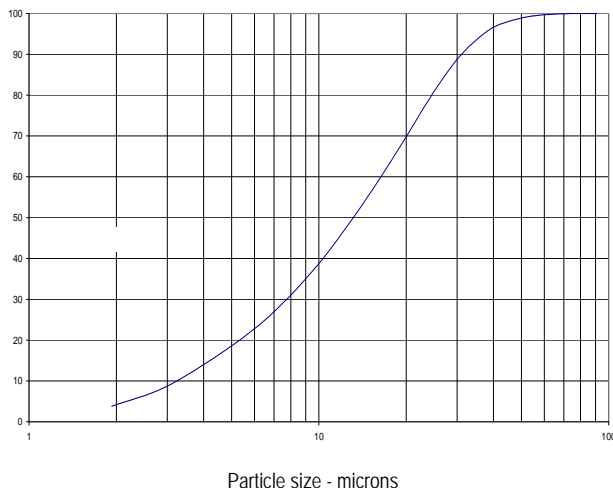
Oil absorption 10 g/100g

Whiteness Minolta Cr 200 L\* 94.9  
 a\* 0.3  
 b\* 3.3  
 Y 87.3  
 L\* 90 min

% passing 150 micron sieve 99.99 % min  
 % passing 45 micron sieve 98.0 % min

#### Particle size distribution - Malvern 3601

- 75 um 100 %  
 - 30 um 90 %  
 - 20 um 70 %  
 - 10 um 40 %  
 Average particle size d<sub>50</sub> 13.2 microns



### PACKAGING

Dry powder in 25 kg paper bags 0.3 % moisture content max

The data given on this sheet is based on test results believed to be representative of the product and should not be interpreted as a binding specification.

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