



## MICROBLANC STANDARD

### DESCRIPTION

Microblanc is a name given to a Barytes ore that has been carefully selected to give a typical BaSO<sub>4</sub> content of over 90% in order that it's chemical composition is close to the theoretical purity of 58,85% elemental barium. Microblanc Standard is micronized to a mean particle size of 7 microns.

### USES

The combined physical-chemical characteristics of Microblanc render the product an ideal functional filler in paints, plastics and rubber as well as applications requiring consistency in a high density raw material.

### TYPICAL CHEMICAL ANALYSIS

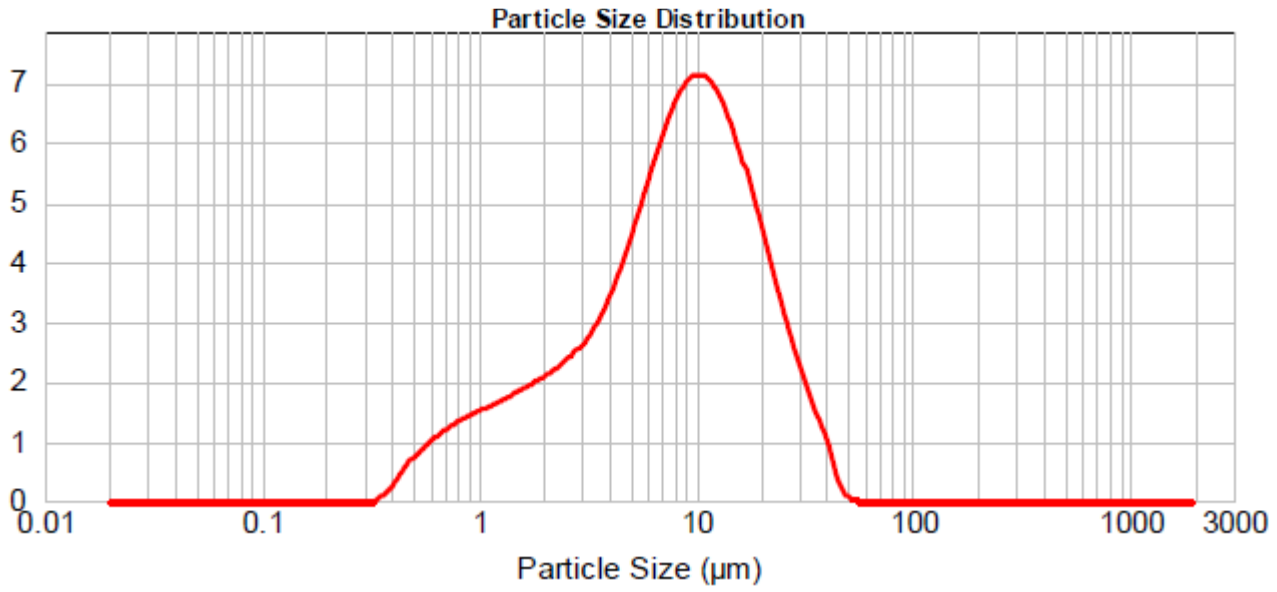
BaSO <sub>4</sub>	92.5%
SiO <sub>2</sub>	3.1%
MgO	2.2%
Fe <sub>2</sub> O <sub>3</sub>	<0.01%
Loss on ignition	0.27%

### TYPICAL PHYSICAL ANALYSIS

Particle Sizing	< 5% retained at 25µm
Oil Absorption	11% (Linseed Oil)
Specific Gravity	4.2 (Helium Displacement)
Hardness	3 (Mohs)
Refractive Index	1.64
Reflectance	83 (Opacity Reflectometer)
Melting Point	> 1500°C
Sintering Temp.	> 1000°C
Toxicity	Generally inert; non-carcinogenic; unaffected by alkalis and mild acids
Bulk Density	Loose: 900g/l Tapped: 950g/l
Packaging	25kg polypropylene bags, Packed into 1 ton bulk bag



**PARTICLE SIZE ANALYSIS (Laser Diffraction)**



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