



MICROBRITE 5

DESCRIPTION

Microbrite is a refined and milled crystalline anhydrous sodium potassium aluminium silicate.

USES

The native ore occurs naturally as Orthoclastic, Microclinic and Albitic Pegmatite. The ore is mined in subsurface operations in the Northern Province. In a specialised beneficiation procedure, the product is separated, washed, refined and milled to produce a clean, white, low iron content end-product.

TYPICAL CHEMICAL ANALYSIS

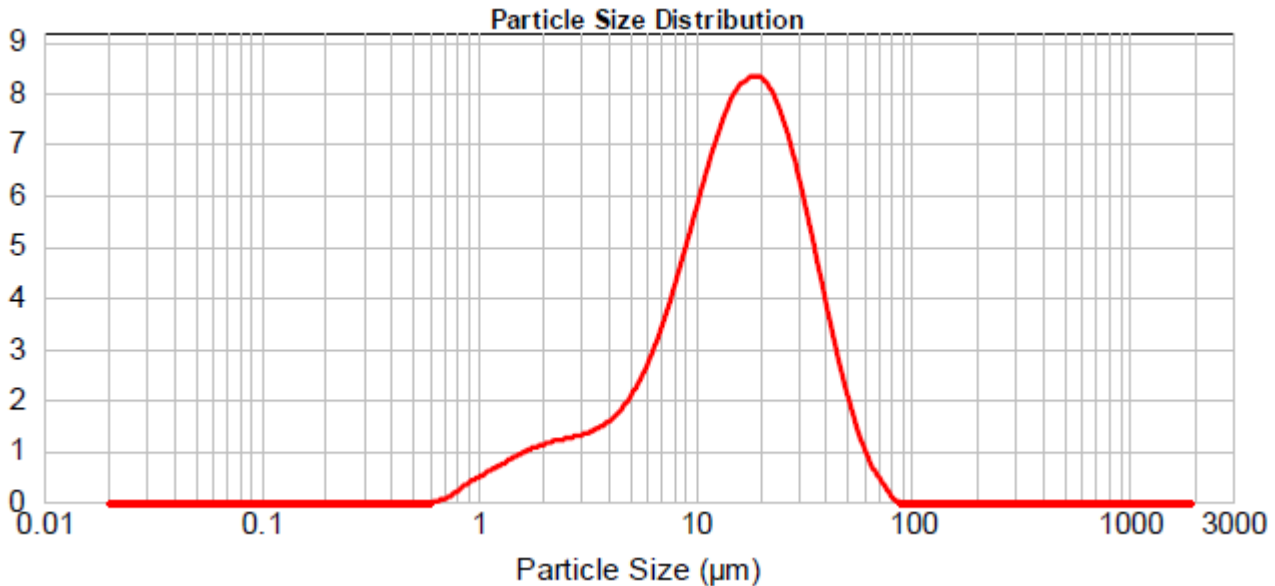
SiO ₂	69.8%
Al ₂ O ₃	17.9%
Fe ₂ O ₃	0.1%
Na ₂ O / K ₂ O	11.0%
MgO	0.01%
TiO ₂	0.05%
CaO	0.65%
P ₂ O ₅	0.06%
Loss on ignition	0.34%

TYPICAL PHYSICAL ANALYSIS

Particle Sizing	< 1.0% retained at 63µm
Oil Absorption	20 - 22% (Linseed Oil)
Specific Gravity	2.59 (Helium Displacement)
Hardness	6 (Mohs)
Refractive Index	1.58
Reflectance	93 (Opacity Reflectometer)
Melting Point	>1000 ⁰ C
Stability	Indefinite Shelf life, Resistant to mild acids, alkalis and organic solvents
Bulk Density	Loose: 550g/l Tapped: 750g/l
Packaging	25kg paper bags, 1 ton bulk bag



PARTICLE SIZE ANALYSIS (Laser Diffraction)



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Signature:

DISCLAIMER

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