

Ulexite 45 Micron Ground

Hydrated sodium calcium borate hydroxide

White to grey color, crystalline material of various shapes

$\text{Na}_2\text{O} \cdot 2\text{CaO} \cdot 5\text{B}_2\text{O}_3 \cdot 16\text{H}_2\text{O}$

CAS No. 1319-33-1

CHEMICAL SPECIFICATIONS		
Component	Unit	Content
B_2O_3	%	37.00 +/- 1.00%
CaO	%	19.00 max
SiO_2	%	4.00 max
SO_4	%	0.25 max
As	ppm	40.00 max
Fe_2O_3	%	0.04 max
Al_2O_3	%	0.25 max
MgO	%	2.50 max
SrO	%	1.00 max
Na_2O	%	3.50 min
Moisture	%	1.00 max

PHYSICAL SPECIFICATIONS		
Mesh Size	Unit	Content
+ 100 mesh	%	0.25 max
-325 mesh	%	75.00 min

Other Properties

- Melting Point*: 870 °C (*Pure Ulexite)
- Solubility in Water: 26.67% as dissolved Ulexite @ 25 °C by weight of solution
- pH: 8.5 (1.0% solution @ 20 °C)
- Aprox. Bulk Density: 41 lbs/ft³
- Decomposition: Dehydration begins 45 °C

Packaging

Ulexite (45 micron) is available in bulk, in 1 MT (2,205 lb.) super sacks and in 25 kg net (55.1 lb. net) multiwall paper bags. Custom packaging is available.

Specification data is determined by Eti Maden analytical methods