

Colemanite 75 Micron Ground

Calcium borate, di-calcium hexaborate pentahydrate

Colorless to white crystalline material

$2\text{CaO} \cdot 3\text{B}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$

CAS Number: 1318-33-8

CHEMICAL SPECIFICATION			
Component	Unit	Content	Typical
B ₂ O ₃	%	39.50 – 40.50	40.00
CaO	%	26.00 – 28.00	26.54
Na ₂ O	%	0.50	0.10
SO ₄	%	0.60	0.25
MgO	%	3.00	2.90
SiO ₂	%	4.00 - 6.50	5.50
SrO	%	1.50	1.09
Fe ₂ O ₃	%	0.08	0.06
Al ₂ O ₃	%	0.40	0.32
As	ppm	35.00	29.00
L.O.I.	%	25.00	23.58
Moisture	%	1.00	0.40

PHYSICAL SPECIFICATIONS			
Mesh Size	Unit	Content	Typical
+100 mesh	%	0.50 max	0.20
- 200 mesh	%	82.00 min	87.00

Other Properties

- Melting Point* : 930°C (*Pure Colemanite)
- Solubility in Water: 0.81% by weight @ 20°C of a saturated solution
- pH: 9.5 (1.0% solution @ 20°C)
- Aprox. Bulk Density: 59 lbs/ft³
- Decomposition: Dehydration begins 105°C

Packaging

Colemanite (75 micron) is available in bulk, in 2,200 lb. super sack and in 25 kg net (55.2 lb. net) multiwall paper bags. Custom packaging is available.

Specification data is determined by Eti Maden analytical methods
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