



Feldspar

Element	Type 1 Result (%)	Type 2 Result (%)	Type 3 Result (%)
SiO ₂	68.79	74.85	70.00-72.00
TiO ₂	0.01	0.05	0.05
Al ₂ O ₃	16.63	12.77	16.00-18.00
Fe ₂ O ₃	0.12	1.05	0.10-0.30
CaO	0.28	0.50	0.30-0.50
MgO	< 0.01	< 0.01	0.10-0.20
Na ₂ O	3.01	2.75	3.50-5.00
K ₂ O	10.52	7.00	5.00-6.00
Cl	< 0.01	< 0.01	< 0.01
TiO ₂	0.01	0.05	0.05
P ₂ O ₅	< 0.01	< 0.01	< 0.01
MnO	< 0.01	0.01	0.01
L.O.I	0.53	0.74	1.00-1.50



Description

Feldspar are potassium, sodium, calcium, barium etc. of alkali metal or alkaline earth metal aluminum silicate minerals, with crystal structure.

The main ingredients are SiO₂, Al₂O₃, K₂O, Na₂O, CaO etc.

Potassium feldspar (K₂O. Al₂O₃. 6SiO₂) is also called Orthoclase.

USES:

- Wastewater treatment
- Animal feed supplement: source of magnesium ions for chickens, cattle and other animals.
- Construction: work as basic ingredient of oxychloride cements for flooring, wallboard, fiber board, and tile, paint and varnish.
- Rubber compounds: work as filler, acid acceptor, pigment
- ceramics, glass production, refractory etc. and act.