

## TECHNICAL SPECIFICATIONS

### ULEX 45 (CALCINED ULEXITE 45%)

**NAME OF PRODUCT** CALCINED ULEXITE (BORONATROCALCITA, BORON ORE)  
**COMMERCIAL NAME** ULEX 45 (CALCINED ULEXITE 45%)

#### PHYSICAL PROPERTIES

**PHYSICAL ASPECT** GRANULAR PRODUCT  
**COLOR** WHITE-GRAY  
**PARTICLE SIZE-GRANULOMETRY** MAX 1,2 mm (MAXIMUM GRAIN SIZE)  
**BULK DENSITY** 0.7Kg/M<sup>3</sup>

#### CHEMICAL ANALYSIS

**CHEMICAL FORMULA** Na<sub>2</sub>O.2CaO.5B<sub>2</sub>O<sub>3</sub>.nH<sub>2</sub>O

#### CHEMICAL PROPERTIES

PARAMETER	MINIMUM	MAXIMUM
BORON OXIDE B2O3	45%	48%
ARSENIC	45 ppm	70 ppm
CHLORINE (Cl)	7%	9%
MOISTURE (HUMIDITY)	0%	0.10%
SULPHATE (SO4)	0.2%	0.40%

#### OTHER CHEMICAL FEATURES

PARAMETER		
SODIUM	Na	7.76%
MAGNESIUM OXIDE	MgO	0.60%
BORON	B	13.97%
SULFATE	SO <sub>3</sub>	1.10%
SODIUM OXIDE	Na <sub>2</sub> O	10.50%
CALCIUM	Ca	9.78%
ALUMINUM	Al <sub>2</sub> O <sub>3</sub>	0.13%
SILICON	SiO <sub>2</sub>	1.50%
ARESNIC OXIDE	As <sub>2</sub> O <sub>3</sub>	< 0,017mg/Kg
ARESNIC	As	< 130mg/Kg
CADMIUM	Cd	< 0,8 mg/Kg
LEAD	Pb	< 10,8 mg/Kg
NICKEL	Ni	< 1,05 mg/Kg
CHROMIUM	Cr	< 10 mg/Kg
MERCURY	Hg	< 0,1 mg/Kg
SOLUBILITY IN CITRIC ACID TO 2%		98.00%

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#### PARTICLE SIZE

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##### 95% LESS THAN

5,6 mm  
4,76 mm  
4,00 mm  
3,36 mm  
2,83 mm  
2,0 mm  
1,68 mm  
1,41 mm  
1,19 mm

##### MESH U.S.

3,5  
4  
5  
6  
7  
10  
12  
14  
16

#### PACKING

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25 Kg. SMALL BAGS  
1000 Kg. SUPER SACKS