

Size:

US Standard Sieve	Inches	Millimeters
3 - 7	.11" to .25"	2.8mm to 6.3mm
7 - 14	.055" to .11"	1.18mm to 2.8mm
14 - 40	.016" to .055"	.42mm to 1.18mm

Specs

Total Surface Area	< 800 m ² /g
Specific Surface Area	1357 yd ² /oz
Average Clinoptilolite Content	80% (+/- 5%)
Specific Gravity	2.42
Bulk Density	55 lbs/ft cu

Elemental Breakdown

Ida-Ore Zeolite sources its Clinoptilolite Zeolite from an area called the Sheaville deposit along the Idaho and Oregon border. The tests that have been done on this deposit have all shown numbers close to these. Tests can vary slightly from different sample sites.



Element	Formula	Percentage
Silica Oxide	SiO ₂	71.5%
Aluminum Oxide	Al ₂ O ₃	11.3%
Potassium Oxide	K ₂ O	4.55%
Ferric Oxide	Fe ₂ O ₃	2.05%
Sodium Oxide	Na ₂ O	1.24%
Calcium Oxide	CaO	1.22%
Titanium Oxide	TiO ₂	0.27%
Magnesium Oxide	MgO	0.17%
Barium Oxide	BaO	0.15%

Analysis performed by The Mineral Lab, Inc.

Elements most important for CEC of 147-250 meq/100g

Element	Percentage
Potassium Oxide	4.55%
Sodium Oxide	1.24%
Calcium Oxide	1.22%
Magnesium Oxide	0.17%

Selectivity

Compounds:	Cs ⁺ > NH ₄ ⁺ > Pb ²⁺ > K ⁺ > Na ⁺ > Ca ²⁺ > Mg ²⁺ > Cu ²⁺ > Zn ²⁺
Gases:	Co, Co ₂ , SO ₂ , H ₂ S, NH ₃ , HcHo, Ar, O ₂ , N ₂ , H ₂ O, He, H ₂ , Kr, Xe, CH ₂ Oh, freon
Major Exchangeable:	Rb, Li, K, Cs, NH ₄ , Na, Ca, Ag, Cd, Pb, Zn, Ba, Sr, Cu, Hg, Mg, Fe, Co, Al, Cr