

PRODUCT DATA SHEET

AZLB-Na Bowie Chabazite

Anhydrous Sodium Aluminosilicate, Natural Herschelite-Sodium Chabazite

Zeolite Powder and Granules

TYPICAL PROPERTIES

Form	Granules & Powders
Color	Reddish / Tan (dry brightness 40)
Ring Members	8
Crystal Size	Less than 1 micron
Crystallinity	+90%
Density	1.73 g/cm ³
Pore Size	4.1 by 3.7 Angstroms
Effective Pore Diameter	4.3 Angstroms
Cavity Size	11.0 by 6.6 Angstroms
Total Pore Volume	.468 cm ³ /g
Surface Area	520 m ² /g
Crystal Void Volume	.47 cm ³ /cm ³
Packing Density	Approx. (40 - 44 lbs/ft ³)
SiO ₂ /Al ₂ O ₃ Ratio	Approx. 4:1
MOH's Hardness	4 - 5
Moisture as Packaged	Less than 20% by Weight
pH of 1% Dispersion	8.5
Stability	pH of 3 through 12
Ion Exchange Capacity	2.50 meq/g
Sorption Capacity	>15 wt. % H ₂ O at 10% RH

CONTACT INFO

Inquiries/Sales: (203) 364-0600
 Email: info@stcloudmining.com

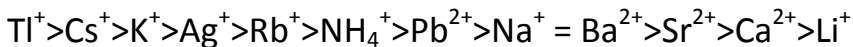
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TYPICAL CHEMICAL ANALYSIS (Anhydrous Basis)

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	Dominant Cation
68.1	18.59	2.84	0.27	0.75	8.32	1.12	Na

EXCHANGE SELECTIVITIES



EXCHANGE OF HEAVY METAL IONS

Weight Percent of Heavy Metals Retained in Anhydrous CABSORB after Ion Exchange from a .10 mg/ml solution: AgNO₃, Pb(NO₃)₂, CoSO₄ and a 0.025 mg/ml solution of CuSO₄ at the Initial pH Indicated for each Solution

<u>Ag</u>		<u>Pb</u>		<u>Cu</u>		<u>Co</u>	
pH	Wt%	pH	Wt%	pH	Wt%	pH	Wt%
5.30	21.85	3.80	15.27	3.43	3.17	2.91	2.82

RELATED MATERIALS

- | | |
|-----------------------|------------------|
| Linde AW 500 | Sapo 34 |
| Linde Ion Sieve IE 95 | TSM 300 |
| Linde Ion Sieve IE 96 | 2 K – 14 |
| Linde D | 2 YT – 6 |
| Linde R | Acadialite |
| LZ 218 | Haydenite |
| MAPO 44 | Seebachite |
| MAPO 47 | Willhendersonite |

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