

PRODUCT DATA SHEET

NM-Ca *Winston Clinoptilolite Potassium Aluminosilicate, Natural Clinoptilolite Zeolite Powder and Granules

TYPICAL PROPERTIES

Form	Granules & Powders
Color	White (85 optical reflectance)
Pore Diameter	4.0 Angstroms
Pore Volume	15%
Specific Surface Area	15 m ² /g
Surface Charge Density	10.1 E-23 meq/A ²
Bulk Density (granules & powders)	44 - 53 lbs/ft ³
pH Stability	3 - 101,603 kg/m ³
Swelling Index	nil
Thermal Stability	1,202 °F 650 °C
Ion Exchange Capacity	0.8 – 1.2 meq/g

TYPICAL CHEMICAL ANALYSIS

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	P ₂ O ₅
64.9	11.9	1.6	3.4	1.4	0.3	3.2	>0.05

MAJOR EXCHANGEABLE CATIONS

Rb ⁺	Na ⁺	Ba ⁺²	Mg ⁺²	Li ⁺	Ag ⁺	Sr ⁺²	Fe ⁺³	K ⁺	Cd ⁺²
Cu ⁺²	Co ⁺³	Cs ⁺	Pb ⁺²	Ca ⁺²	Al ⁺³	NH ⁺⁴	Zn ⁺²	Hg ⁺²	Cr ⁺³

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