



## VOLCLAY® CUSTOM GRANULAR

Volclay® Custom Granular is evenly sized granular sodium bentonite with the fines removed. Average particle size is between 16 and 70 mesh. Volclay Custom Granular is used for rapid liquid dispersion and for mixing with granular feed and mineral mixtures.

**Chemical  
Composition**

Diocahedral smectite, an expanding layer silicate:  
 $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$

**Elemental  
Composition**

Typical analysis – moisture free

SiO <sub>2</sub>	63.02 %
Al <sub>2</sub> O <sub>3</sub>	21.08 %
Fe <sub>2</sub> O <sub>3</sub>	3.25 %
FeO	0.35 %
MgO	2.67 %
Na <sub>2</sub> O	2.57 %
CaO	0.65 %
Trace	0.72 %
LOI	5.64 %

**Moisture**

Maximum 12% as shipped

**Bulk Density**

58-65 lbs./cu.ft.

**Dry Particle Size**

Maximum 25% retained on 10 mesh  
 Minimum 98.5% retained on 40 mesh  
 Maximum 1.5% passing 50 mesh

**Base Exchange**

Typical base exchange ions or exchangeable cations (meq / 100g)

Sodium	60 - 65
Calcium	10 - 30
Magnesium	5 - 20
Potassium	1 - 5

**pH**

8.0 - 10.5 @ 5% solids

**Packaging**

50lbs (22.68kgs) multi-wall paper bags  
 2000lbs (907.18kgs) bulk bags

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The information contained herein is believed to be accurate and reliable. AMCOL accepts no responsibility for the results obtained through use of this product. AMCOL reserves the right to update information without notice.

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