



## VOLCLAY® 55

Volclay® 55 is granular material used as a binder for livestock and poultry feeds and as a digestive aid. It is supplied as a free flowing granular sodium bentonite with an average particle size between 16 and 50 mesh. Volclay 55 has minimum dustiness and rapid liquid dispersion.

**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**

55 +/- 15% retained on 50 mesh (300 µm)  
 Maximum 15% passing 200 mesh (75 µm)

**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  
 Bulk

Last Updated August 2013

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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