



VOLCLAY® 90

Volclay® 90 is a fine free flowing granular sodium bentonite with an average particle size between 30 and 200 mesh. It is used as a binder for livestock and poultry feeds and as a digestive aid. Volclay 90 has reduced dustiness for easier use.

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 ₂	63.02 %
Al ₂ O ₃	21.08 %
Fe ₂ O ₃	3.25 %
FeO	0.35 %
MgO	2.67 %
Na ₂ 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 12% 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
 2000lbs (907.18kgs) bulk bags
 Bulk

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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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