

**Food Grade
Bentonite**

Revised 8/28/09

VOLCLAY[®] ACCOFLOC 361

**General
Description**

Fine granular sodium bentonite with an average particle size between 20 and 70 mesh.

**Functional
Use**

Used alone or in conjunction with polyelectrolytes or flocculating inorganic salts, Accofloc 361 will assist in increasing the rate and efficiency of flocculation.

Purity

Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite. Contains minor amounts of feldspar, calcite, and quartz.

**Chemical
Formula**

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

**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.

**Dry Particle
Size**

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

**Wet Particle
Size**

Minimum 94% finer than 200 mesh (74 microns).
Minimum 92% finer than 325 mesh (44 microns).

pH

8.0 - 10.5 @ 5% solids.

Free Swell

Minimum 20 mls per 2 grams clay.

Packaging

50 or 100 pound multi-wall paper bags, or bulk.