

17 BENTONITE FOOD GRADE



PRODUCT DESCRIPTION

Food Grade Bentonite is a purified natural clay mineral mainly composed of Montmorillonite and specially processed to meet food industry requirements. It is widely used for clarification, bleaching, and purification of edible oils by removing pigments, gums, metals, and other impurities.

APPLICATIONS

- **Edible Oil Refining:** Used for clarification, decolorization and purification of vegetable oils.
- Removes impurities, phospholipids, gums, free fatty acids, pigments and metal traces.
- Improves oil color, clarity, stability and shelf life.
- Suitable for sunflower oil, soybean oil, palm oil, canola oil and other edible oils.
- Complies with food grade standards and regulations.

PACKAGING

- Palletized bag in container
- 1 m³ jumbo bags in container

HEALTH AND SAFETY

- Non-toxic and safe for use in food processing applications.
- Avoid inhalation of fine dust; use protective masks.
- Store in a dry, clean area away from moisture and contaminants.
- Keep away from acids and oxidizing agents.
- Complies with relevant food safety regulations.

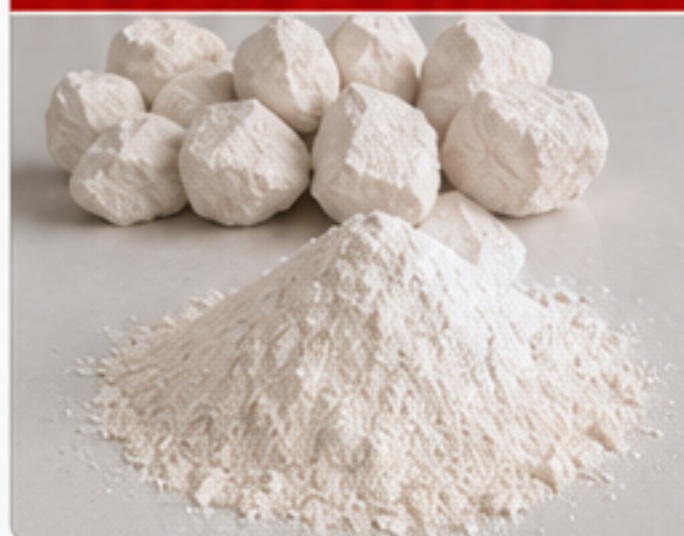
CHEMICAL COMPOSITION (XRF ANALYSIS)

Component	wt%
SiO ₂	66.03
Al ₂ O ₃	9.95
Fe ₂ O ₃	0.88
MgO	1.95
CaO	2.51
Na ₂ O	0.25
K ₂ O	0.81
P ₂ O ₅	0.05
MnO	0.01
TiO ₂	0.08
MnO	0.01
L.O.I (Loss on Ignition)	16.58

PHYSICAL PROPERTIES

Property	Specification
Appearance	White
Solubility	Insoluble in Water
Moisture	6 - 11 %
pH	3.10 - 3.30
Free Acidity	< 0.03
Particle Size	>64% Passing 200 Mesh
Density	0.45 - 0.55 cc/gr

BENTONITE RAW & POWDER



APPLICATIONS



SUNFLOWER OIL
REFINING



SOYBEAN OIL
PROCESSING



PALM OIL
PURIFICATION



CANOLA OIL
PROCESSING



DECOLORIZATION &
BLEACHING



FOOD INDUSTRY
PROCESSING

AVAILABLE FORMS



FOOD GRADE POWDER



MICRONIZED POWDER

PACKAGING

- Palletized Bags (in container)
- 1 m³ Jumbo Bags (in container)



BENEFITS

- ✓ Removes Phospholipids
- ✓ Removes Gums
- ✓ Removes Pigments
- ✓ Removes Free Fatty Acids
- ✓ Removes Metal Traces
- ✓ Improves Shelf Life
- ✓ Improves Clarity & Color

USED IN KEY FOOD & OIL INDUSTRIES



SUNFLOWER OIL



SOYBEAN OIL



PALM OIL



FOOD PROCESSING



OIL REFINERY



QUALITY CONTROL