

PRODUCT DATA SHEET

TERRA ALBA

Description

The ACG Materials Food and Pharmaceutical Calcium Sulfate Dihydrate, is a very fine, free-flowing, odorless, tasteless white powder produced by fine-grinding and air separating a select grade of high-purity white gypsum that is safe for use in food products as outlined in 21CFR184.1230 (April 2014) and meets or exceeds the specifications of the Food Chemicals Codex 9th ED. (2014), p.223 and U.S. Pharmacopeia/National Formulary USP37/NF32 (2014) pg. 5889.

Typical Chemical Analysis

Method FCC 9th Ed.

Assay (gypsum purity)	≥ 98%
Fluoride	≈30 ppm
Heavy metals (as Pb)	≈2 ppm
Loss on drying	19 – 23 %
Selenium	≈30 ppm

Typical Physical Properties

Appearance	White Powder
Specific Gravity	2.32
Bulk Density (loose)	59lb./ft ³
Mohs Hardness	2.0
pH	7.5

Typical Particle Size Distribution

Particles Passing ASTM Sieves:	
% Passed by – 100 Mesh	100.00
% Passed by -325 Mesh	93.00



BRC Certified

ACG Materials Grinding Facility in Bessie, OK is a BRC Certified plant. Our products meet the requirements of the Global Food Safety Initiative.

Uses:

Calcium Sulfate is used extensively as an ingredient or component in food and food processing systems, including:

- Dough conditioner, firming agent, and as a dietary supplement in yeast raised bakery products.
- Brewing and other fermentation processes
- As a stabilizer and thickener.
- As a pH control agent.
- As a carrier for bleaching agent.
- As a tablet binder/diluent.
- Calcium Supplementation.

Kosher Certification

ACG Materials Terra Alba is certified annually as acceptable for use in the manufacture and processing of Kosher food products for year round use, including Passover.

Halal Certification

ACG Materials Terra Alba is certified annually as acceptable for use in the manufacture and processing of Halal food products.



PRODUCT DATA SHEET

TERRA ALBA

Product Quality

At ACG Materials, we know and understand the responsibilities inherent in processing and packaging of food and pharmaceutical grade calcium sulfate. That's why we have dedicated one of our two grinding facilities to the production of food and pharmaceutical grade calcium sulfate. In addition we double-check every step of the processing cycle with redundant analysis in our plant laboratory and in licensed independent laboratories.

Quality and Service

Terra Alba is packaged in industry standard 50 lb. polyethylene lined kraft multiwall bags & super sacks. Every pallet is cleaned, inspected, and stretch wrapped using the latest equipment to assure uniformity and integrity of every pallet during shipment. We also ship bulk orders to many of our customers. Laboratory analysis and inspection reports are available on every shipment. Our centralized location allows us to customize shipping, whether by rail or truck, to fit your requirements.