

Calcium Sulfate
TERRA ALBA

ARCOSA
SPECIALTY MATERIALS

Product Data Sheet

TERRA ALBA

The Arcosa Specialty Materials Food Grade Calcium Sulfate Dihydrate is a very fine-grained, free-flowing, odorless, tasteless white powder produced by fine-grinding and air-separating a select grade of high-purity white gypsum. This product is safe for use in food products as outlined in 21CFR184.1230 (April 2019) and meets or exceeds the specifications of the Food Chemicals Codex 12th ED. (2020), p.220, and indications A and B.

Typical Chemical Analysis

Requirements FCC 12th Ed.

Assay (gypsum purity)	98%-101%
Fluoride	<30 ppm
Lead	<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	8

Typical Particle Size Distribution

Particles Passing ASTM Sieves:

% Passed by – 100 Mesh	99.90-100
% Passed by -325 Mesh	93 - 100

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
- Stabilizer and thickener.
- A pH control agent.
- A carrier for bleaching agent.
- Calcium Supplementation.

Kosher Certification

Arcosa Specialty 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

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

BRC Certified



The BRC has certified the Arcosa Specialty Materials grinding plant in Bessie, OK. Our products meet the requirements of the Global Food Safety Initiative.



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Product Quality

At Arcosa Specialty Materials, we know and understand the responsibilities inherent in the processing and packaging of food-grade calcium sulfate. That's why we have dedicated one of our two grinding facilities to the production of food-grade calcium sulfate.

Quality and Service

Terra Alba packaging is 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 purchase. Our centralized location allows us to customize shipping, whether by rail or truck, to fit your requirements.

Customer Assurance Disclosure

Terra Alba (ground calcium sulfate) is not processed to control microbial pathogens, including Salmonella.

Arcosa Specialty Materials has conducted a hazard analysis in compliance with the Food Safety Modernization Act (FSMA). The grinding and packaging of calcium sulfate do not include a validated kill step for microbial pathogens. As such, Arcosa Specialty Materials has implemented a Customer Assurance Program as outlined in 21 CFR 117.136 and 117.335, and/or 21 CFR 507.36 and 507.215 as applicable to the products produced at Arcosa Specialty Materials.