


# PRODUCT DATA SHEET

## TERRA ALBA

### Description

The ACG Materials Food Grade 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 2018) and meets or exceeds the specifications of the Food Chemicals Codex 11<sup>th</sup> ED. (2016), p.227.

Typical Chemical Analysis		
Method FCC 11 <sup>th</sup> Ed.		
Assay (gypsum purity)		98%-101%
Fluoride		<30 ppm
Heavy metals (as Pb)		<10 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 <sup>3</sup>
Mohs Hardness		2.0
pH		8
Typical Particle Size Distribution		
Particles Passing ASTM Sieves:		
% Passed by – 100 Mesh		100.00
% Passed by -325 Mesh		93 - 100
	<b>BRC Certified</b> 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.
- 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.

Revised 17 December 2019



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#### Product Quality

At ACG Materials, we know and understand the responsibilities inherent in 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 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.

#### Customer Assurance Disclosure

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

ACG Materials has conducted a hazard analysis in compliance with the Food Safety Modernization Act (FSMA). The grinding and packaging of calcium sulfate does not include a validated kill step for microbial pathogens. As such; ACG 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 ACG Materials.

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