

Calcium Sulfate
TERRA ALBA

ARCOSA
SPECIALTY MATERIALS

Product Data Sheet

TERRA ALBA – INDUSTRIAL GRADE

Calcium Sulfate Dihydrate

$\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ Molecular Weight: 172.17

Industrial Grade Terra Alba is a finely ground high purity white calcium sulfate dihydrate product commonly used in paper coatings, as a filler in resin systems, specialty cements, and a variety of other applications where a soft, soluble mineral source of calcium and/or sulfur are required.

Minimum Chemical Specification

Gypsum Purity	90.80%
% Combined Water (LOD)	19.00%

Typical Chemical Specification

Gypsum Purity	95.00%
% Free moisture	0.04%
% Combined Water	19.88%

Typical Physical Properties

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

Typical Particle Size Distribution

Particles Passing ASTM Sieves:

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

Availability

- Truckload (50 lb bags and Super Sacks)
- Bulk
- Distribution Network

Transportation Logistics

Arcosa Specialty Materials has the ability to coordinate logistical activities involving product delivery in accordance with customer requirements which include FOB and delivered price billing.



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Product Quality

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