



AUSIMIN

Terra Alba 1

High purity natural Calcium Sulphate

Product Description

Ausimin Terra Alba 1 is a very fine, free-flowing, odorless, tasteless white powder produced by fine grinding a select grade of high-purity white gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ -Calcium Sulphate Dihydrate). This product is manufactured from a naturally occurring mineral and therefore variations in colour and non-gypsum content are possible.

Applications

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 bakery products.
- Brewing
- As a stabilizer and thickener
- As a carrier for a bleaching agent
- As a tablet binder
- Calcium supplementation

Other applications include:

- As a filler in tile adhesive and crack filler formulations.
- As a filler in polymers and other compounds.
- As a filler in car body fillers.
- As an extender in paints.
- As a filler and pigment in the paper industry

Technical Data

Ausimin Terra Alba 1 conforms to the specification for E516 Calcium Sulphate Dihydrate, as detailed below.

Chemical name	Calcium Sulphate
EEC Additive Number	E516
Einecs	231-900-3
Arsenic	< 1 ppm
Selenium	< 30 ppm
Fluoride	< 30 ppm
Heavy Metals (as Pb)	< 2 ppm
Iron	< 100 ppm
Mercury, Hg	< 0.005%
Cadmium, Cd	< 1 mg/kg
Calcium Assay	98.0 % min
Loss on drying	19 - 23%

The technical data outlined represents typical figures only. For further details, please contact Ausimin.

Colour – Colorimeter measurement

L*	93.00
a*	0.25
b*	2.50

Screen analysis

Through 200 mesh (min)	99%
Through 325 mesh (min)	95%

Solubility per 100cc of water	0.26 grams
Oil Absorption	23ml / 100g
Hardness (MOH's scale)	2
Bulk density, loose	825 kg/m ³
compacted	1200 kg/m ³
Specific Gravity	2.32

Limitations

Microbiological Activity

Natural microbiological activity can be present in the product. Appropriate precautions should be taken when the product is used in the manufacture of food products. Ausimin Terra Alba 1 is not processed to control microbial pathogens

Application Performance

Since the conditions under which Ausimin Terra Alba 1 is used are varied and beyond our control, performance is not guaranteed for any particular application

Storage

When stored under normal dry conditions, this product will not deteriorate chemically however; it is susceptible to compaction lumps if subjected to pressure.

Each bag is stamped with a best before date and a batch reference. Stocks should be rotated so that the oldest material is used first.

Supply Details

Unless otherwise stated, Ausimin Terra Alba 1 is available in a 15 kg, 800kg and 1200 kg bags.

The company contracts solely upon its conditions of sale, copies of which are available on request.

Health and safety

Follow good safety and industrial hygiene practices during handling and installation of all products and systems.

Take necessary precautions and wear the appropriate personal protective equipment as needed.

Read material safety data sheets and related literature on products before specification and/or installation

Notice:

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods.

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