

# **PRODUCT DATA SHEET**

GYPSUM (CaSO<sub>4</sub>)

## **EGYPTIAN MINING QUALITY**



### **1. GENERAL INFORMATION**

Gypsum is a naturally occurring mineral that is made up of calcium sulfate and water (CaSO<sub>4</sub>+2H<sub>2</sub>O) that is sometimes called hydrous calcium sulfate. By weight it is 79% calcium sulfate and 21% water.

Gypsum has 23% calcium and 18% sulfur and its solubility is 150 times that of limestone, hence it is a natural source of plant nutrients.

Gypsum naturally occurs in sedimentary deposits from ancient sea beds.

Gypsum is mined and made into many products like drywall used in construction, agriculture and industry. It is also a by-product of many industrial processes.

Gypsum is also used as a generic name for many types of sheet products made of a non-combustible core with a paper surfacing that adds strength. These include drywall, ceiling tiles, partitions, etc. whose strength is directly related to its thickness and a few trace materials.

### **2. APPLICATION**

- Ceiling tiles, paints, joint compound
- Calcined gypsum used as plaster
- Plaster of Paris and Plaster board
- Stucco additive
- Cement
- Filler and pigment uses
- Glassmaking
- Chemicals
- Kitty Litter
- Animal bedding
- Dietary supplement in foods for nutrition or a flavor additive that controls tartness in wines.
- Water treatment
- Sludge drying for stability and odor control
- Cement production (reduces setting time)
- Waster treatment
- Salty soil treatment
- Manure treatment
- Flea powder - Recycled gypsum makes up over 90% of the inert ingredients in flea powders.
- Grease absorption
- Athletic fields - Gypsum or recycled gypsum is used to mark lines on sports field.
- Absorbents - Gypsum is a better absorbent than a typical clay absorbent and due to its white color, it is often preferred by those facilities that clean up all the absorbent after a spill, since it is very visible when saturated with the contaminate from the spill area.



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### 3. SPECIFICATION

| ITEMS         | RESULT          |
|---------------|-----------------|
| Ca            | %23.12          |
| S             | %18.26          |
| As            | Less than 1 ppm |
| Pb            | ppm 1.01        |
| Cd            | ppm 1.08        |
| Hg            | Less than 1 ppm |
| Cr            | Less than 1 ppm |
| Ni            | ppm 1.59        |
| Moisture      | %0.0672         |
| Water soluble | g/ml 0.27       |

### 4. STORAGE AND SHELF LIFE

Unlimited shelf life if stored at a dry place.

### 5. PACKAGING

25-50kg PP Bags



**Warranty** - This information is given in good faith and to the best of our knowledge. Every user of our products is responsible as regards observation of all legal regulations including patent laws. Detailed information on handling, and eventual precautions to be observed in the use of the product can be found on our relevant Health and Safety Information Sheet



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