



TECHNICAL DATA SHEET

SPECIFICATION :

ITEM	STANDARD LIMITS
Product Name	calcium sulfate
CAS	99400-01-8
Molecular formula	CaO4S
molecular weight	136.14
Appearance	White powder
Melting point	>300°C
Structural formula	$\begin{array}{c} \text{Ca}^{++}\text{O} \\ \\ \text{O}=\text{S}=\text{O} \\ \\ \text{O} \end{array}$

Packaging :

As customer requirements.

Application:

Medical gypsum generally refers to gypsum plaster. Can be used as an impression material for dental crowns, and has just been used as a model material. Other varieties include:

- (1) Hard gypsum, suitable for making gold material model dentures, with high accuracy;
- (2) Superhard gypsum can be used to make precise molds for gold or stainless steel materials;
- (3) Soluble gypsum, made by adding starch that has been artificially fried into ordinary gypsum, has high accuracy in making impressions for full mouth dentures;
- (4) Calcium sulfite, which can be implanted into the human body, is the first widely studied bioceramic material. It is mainly used for filling bone defect cavities, has good biocompatibility, can be absorbed by tissues and replaced by new bone. However, due to its easy breakage and rapid decrease in strength in vivo, it has not been widely used in clinical practice