

AS A NON-TOXIC MINERAL, GYPSUM CAN BE HELPFUL TO HUMANS, ANIMALS, PLANT LIFE, AND THE ENVIRONMENT. WHILE MOST OF THE GYPSUM PRODUCED IN THE WORLD IS USED TO MANUFACTURE GYPSUM PANEL PRODUCTS OR BUILDING PLASTERS, HIGHLY PURIFIED GYPSUM CAN ALSO BE USED IN ANTI-CAKING AGENT, DRYING AGENT, DOUGH-STRENGTHENER, FIRING AGENT, COLOR ENHANCER, STABILIZER, AND THICKENER.



GYPSUM (CALCIUM SULFATE) IS RECOGNIZED AS ACCEPTABLE FOR HUMAN CONSUMPTION BY THE U.S. FOOD AND DRUG ADMINISTRATION FOR USE AS A DIETARY SOURCE OF CALCIUM, TO CONDITION WATER USED IN BREWING BEER, TO CONTROL THE TARTNESS AND CLARITY OF WINE, AND AS AN INGREDIENT IN CANNED VEGETABLES, FLOUR, WHITE BREAD, ICE CREAM, BLUE CHEESE, AND OTHER FOODS. OUR FOOD-GRADE GYPSUM POWDER HAS APPLICATIONS IN FOOD PRODUCTS INCLUDING BUT NOT LIMITED TO BAKED GOODS, PUDDINGS, GELATINS, PASTA, TOFU, FROSTING, CANDIES, ICE CREAM AND OTHER FROZEN DAIRY PRODUCTS.

DATASHEET

CaSO ₄ .2H ₂ O %	94.83
Free water %	0.07
Combined water %	2.64
Cl %	0.03
Na ₂ O %	0.07
MgO %	0.27
K ₂ O %	0.02
SiO ₂ %	1.20
Al ₂ O ₃ %	0.31
Fe ₂ O ₃	0.42
Residual	0.14
Hardness (N/mm ²)	2.19
The minimum cohesion strength (N/mm ²)	0.14
Whiteness	> 92
The minimum compressive strength (N/mm ²)	6.62
The minimum flexural strength (N/mm ²)	2.25
The amount of gypsum in 100 cc water (gr)	135
The minimum initial setting time (min)	4:30
The maximum final setting time (min)	13:20

Our commitment to quality starts with the best-in-class natural rock gypsum in Iran and continues with manually screening rocks with slightest of impurity out of the production process. Our exceptionally pure gypsum powder with record low crystalline water has long been in high demand among our international customers for use in food products.