



**USG<sup>®</sup> SNOW WHITE<sup>®</sup>**  
FOOD & PHARMACEUTICAL FILLER

**USG® Snow White® Food & Pharmaceutical (F&P) Filler** is an anhydrous calcium sulfate filler that is used by the food, beverage and pharmaceutical industries as an economical and FDA-approved source of supplemental calcium. It is also certified as “Kosher” through the Chicago Rabbinical Council and “Halal” through The Islamic Food and Nutrition Counsel of America.

**USG SNOW WHITE – FOOD FILLER**

In the commercial baking industry, calcium sulfate filler provides supplemental calcium in enriched flour, cereals, baking powder, yeast, bread conditioners and cake icing. The filler can also be found in canned vegetables and artificially sweetened jellies and preserves.

In the brewing industry, calcium sulfate filler provides a smoother-tasting beer with improved stability and a longer shelf life.

**TYPICAL CHEMICAL ANALYSIS**

|  |        |
|--|--------|
| <b>Total Calcium</b>                                 | 29.2%  |
| <b>CaO</b>   | 40.92% |
| <b>SO<sub>3</sub></b>                                | 58.04% |
| <b>CaSO<sub>4</sub></b>                              | 98.7%  |
| <b>CaCO<sub>3</sub> • MgCO<sub>3</sub></b>           | 0.5%   |
| <b>SiO<sub>2</sub> and Insolubles</b>                | 0.13%  |
| <b>Free Moisture at 45 °C (113 °F)<sup>(1)</sup></b> | 0.1%   |

<sup>(1)</sup> Computrac® MAX®

**TYPICAL PHYSICAL PROPERTIES**

|  |                |
|--|----------------|
| <b>pH—10% Slurry</b>   | 10.4           |
| <b>Refractive Index<sup>(1)</sup></b>                          | 1.6            |
| <b>Water Loss 482 °F (250 °C)</b>                              | 0.33%          |
| <b>Solubility (70 °F (21 °C)) per 100 cc of H<sub>2</sub>O</b> | 0.26 grams     |
| <b>Loose Bulk Density (lbs./ft.<sup>3</sup>)</b>               | 50             |
| <b>Packed Bulk Density (lbs./ft.<sup>3</sup>)</b>              | 70             |
| <b>L, a, b values<sup>(2)</sup></b>                            | 90.4, 1.2, 3.4 |
| <b>Median Particle Size (microns)<sup>(3)</sup></b>            | 5.5            |

<sup>(1)</sup> Literature value

<sup>(2)</sup> HunterLab Colorflex EZ Colorimeter L,a,b values

<sup>(3)</sup> Microtrac S3500 FRA

**CERTIFIED**



## TYPICAL PARTICAL SIZE DATA

| Sieve Analysis <sup>(1)</sup> | %            |
|-------------------------------|--------------|
| Through 50 mesh (300 microns) | 100.0        |
| Through 200 mesh (75 microns) | 99.9 - 100.0 |
| Through 325 mesh (44 microns) | 97.0 - 100.0 |

| Microtrac Analysis <sup>(2)</sup> % Smaller Than | %    |
|--|------|
| 22 microns                                       | 80.0 |
| 11 microns                                       | 55.0 |
| 5.5 microns                                      | 30.0 |
| 4.62 microns                                     | 24.0 |
| 1.945 microns                                    | 4.0  |
| 0.972 microns                                    | 0.1  |

(1) Alpine Jet Air Sieve  
(2) Microtrac S3500 FRA

## STANDARDS

USG Snow White F&P Filler is guaranteed to meet the specifications of the Food Chemicals Codex and the National Formulary (see chart below). Upon request, USG will supply a certificate of analysis to customers. Each shipment is batch-coded to show the day, month and year of manufacture. Representative samples are kept for five years from the date of manufacture.

|                      | Food Chemicals Codex | National Formulary |
|----------------------|----------------------|--------------------|
| <b>Arsenic</b>       | 3.0 ppm max.         | 3.0 ppm max.       |
| <b>Selenium</b>      | 30.0 ppm max.        | 30.0 ppm max.      |
| <b>Fluorine</b>      | 30.0 ppm max.        | 30.0 ppm max.      |
| <b>Heavy Metals</b>  | —                    | 10.0 ppm max.      |
| <b>Iron</b>          | —                    | 100.0 ppm max.     |
| <b>Lead</b>          | 2.0 ppm max.         | —                  |
| <b>Calcium Assay</b> | 98.0% min.           | 98.0% min.         |

For additional quality and safety information, refer to IG1888 *USG Food and Pharmaceutical Survey Guide* at [usg.com](http://usg.com).

## USG SNOW WHITE - PHARMACEUTICAL FILLER

For pharmaceutical applications, calcium sulfate filler is extensively used as a diluent because it makes an excellent inert extender while also serving as a dietary calcium supplement.

## PRODUCT INFORMATION

See [usg.com](http://usg.com) for the most up-to-date product information.

## CONTACT INFORMATION

United States Gypsum Company  
550 West Adams Street  
Chicago, IL 60661

## CUSTOMER SERVICE

800 621.9523

## TECHNICAL SERVICE

800 USG.4YOU (874-4968)

## WEBSITES

[usg.com](http://usg.com)

### CAUTION

Dust from mixing may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Use only in a well-ventilated area; wear a NIOSH/MSHA-approved respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If on skin: Wash with plenty of water. If swallowed or irritation persists, call physician. For more information call Product Safety 1-800-507-8899 or see the SDS at [usg.com](http://usg.com).

**KEEP OUT OF REACH OF CHILDREN.**

### NOTE

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### NOTICE

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For all terms and conditions see [usg.com/terms-and-conditions](http://usg.com/terms-and-conditions).

### SAFETY FIRST!

Follow good safety/industrial hygiene practices during usage. Wear appropriate personal protective equipment. Read applicable SDSs and literature before usage.