



HEALTH & NUTRITION

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PRODUCT DATA SHEET

**HuberCal® 850 USP**  
**Calcium Carbonate Powder**

**CHEMICAL IDENTITY:** Calcium Carbonate  
**CAS NUMBER:** 471-34-1  
**HUBER MANUFACTURING FACILITY:** Quincy, IL

Meets the requirements of the current USP monograph for calcium carbonate.

| PHYSICAL / ANALYTICAL / MICROBIOLOGICAL PROPERTIES   | UNIT OF MEASURE | SPECIFICATIONS         | TEST        | METHOD       |
|--|-----------------|------------------------|-------------|--------------|
| Appearance   | Attribute       | White-Off White powder | --          | Visual       |
| Identification*  | ID              | Calcite                | XRD         | Huber 20.201 |
| Calcium Carbonate  | %               | 98.0 – 100.5           | --          | USP          |
| Magnesium and Alkali Salts*  | %               | NMT 1.0                | --          | USP          |
| Acid Insolubles*   | %               | NMT 0.2                | --          | USP          |
| Moisture, Loss on Drying   | %               | NMT 2.0                | 200°C       | USP          |
| Lead   | µg/g            | NMT 0.25               | ICP-MS      | Huber 8.816  |
| Arsenic*   | µg/g            | NMT 1                  | ICP-MS      | Huber 8.816  |
| Fluoride*  | µg/g            | NMT 50                 | ISE         | USP          |
| Iron*  | µg/g            | NMT 1000               | ICP-OES     | Huber 8.811  |
| Barium*  | Pass/Fail       | Pass                   | ICP-OES     | Huber 8.811  |
| Mercury*   | µg/g            | NMT 0.5                | Hg Analyzer | Huber 25.125 |
| Total Aerobic Count  | cfu/g           | NMT 1000               | 10g         | USP          |
| Total Combined Yeast & Mold  | cfu/g           | NMT 100                | 10g         | USP          |
| USP Pathogens ( <i>Staphylococcus aureus</i> ,<br><i>Pseudomonas aeruginosa</i> , <i>Salmonella</i> ,<br><i>Escherichia coli</i> ) | Absent/Present  | Absent                 | 10g         | USP          |

\*The product will meet the indicated specifications, based on demonstrated process capability and periodic testing following the indicated Standard Evaluation Methods.

| PROPERTIES BASED ON INTERMITTENT TESTING | UNIT OF MEASURE   | TYPICAL RESULTS | TEST         | METHOD         |
|--|-------------------|-----------------|--------------|----------------|
| Bulk Density, Loose                      | g/cc              | 0.72            | --           | Huber 110.10   |
| Bulk Density, Tamped                     | g/cc              | 1.2             | --           | Huber DC410004 |
| Median Particle Size                     | microns           | 4               | X-ray sizing | Huber DP409011 |
| Surface Area, BET                        | m <sup>2</sup> /g | 1.7             | BET          | Huber 20.231   |

Note: Regulatory, Nutritional, Packaging and other pertinent information can be found in the published Dossier for this product. This document is available upon request.

Note: Recommended Storage Conditions: The shelf life of this product sold in powder/dry form is 3 years from the date of manufacture provided the material has been properly stored in cool, dry conditions; unopened containers and no contamination has taken place.

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