



Technical Data Sheet

Calcium Carbonate Powder

CHEMICAL IDENTITY: Calcium Carbonate

CAS NUMBER: 471-34-1

MANUFACTURING LOCATION: USA

| PHYSICAL / ANALYTICAL / MICROBIOLOGICAL PROPERTIES | UNIT OF MEASURE | SPECIFICATIONS | TEST METHODS |
|---|-------------------|------------------------|------------------------|
| Appearance | Attribute | White-Off White powder | Visual |
| Calcium Carbonate | % | 98.0 – 100.5 | Method 8.810 |
| Magnesium and Alkali Salts* | % | NMT 1 | Method 8.812 |
| Acid Insolubles* | % | NMT 0.2 | Method 8.813 |
| Moisture, Loss on Drying | % | NMT 2 | Method 8.809 |
| Lead* | mg/kg | NMT 0.50 | Method 8.816 |
| Arsenic* | mg/kg | NMT 3 | Method 8.816 |
| Fluoride* | % | NMT 0.005 | Method 8.815 |
| Total Aerobic Count | cfu/g | NMT 1000 | USP <61> |
| Total Combined Yeast & Mold | cfu/g | NMT 200 | USP <61> |
| USP Pathogens (<i>Staphylococcus aureus</i> , <i>Pseudomonas aeruginosa</i> , <i>Salmonella</i> , <i>Escherichia coli</i>) | Absent/Present | Absent | USP <62> |
| PROPERTIES BASED ON INTERMITTENT TESTING | UNIT OF MEASURE | TYPICAL RESULTS | TEST METHODS |
| Bulk Density, Loose | g/cc | 1.15 | Method DC 409002-0D |
| Bulk Density, Tamped | g/cc | 1.6 | Method 1.108 |
| Median Particle Size | microns | 20 | Cilas Laser Scattering |
| Surface Area, BET | m ² /g | 0.9 | Method 20.231 |
| Screen Residue, 325 Mesh | % | 35 | Method 1.103 |

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