



Technical Data Sheet

CareMag™ M

Spray-dried magnesium hydroxide for use in manufacture cosmetic products and mineral supplements.

Chemical Analysis

Magnesium Hydroxide as Mg(OH)₂
 Identification
 Appearance of Solution
 Microbial Limit (tested once a month)
 Free Alkali
 Soluble Salts / Substances
 Substances Insoluble
 Chlorides as Cl
 Sulphates as SO₄
 Arsenic as As (tested once a month)
 Calcium as Ca
 Iron as Fe
 Loss on Drying
 Loss on Ignition
 Lead as Pb

Specification

95.0% min
 Positive test for Magnesium
 To pass test
 Absence of E.Coli
 2.00 ml max
 2.00% max
 0.100% max
 0.1% max
 0.35% max
 0.5 ppm max
 0.80% max
 0.05% max
 2.00% max
 29.0-33.5%
 1.5 ppm max

Typical Value

99.0%
 Passed test
 Passed test
 Absent
 < 0.5 ml
 0.50%
 0.05%
 0.06%
 0.10%
 < 0.5 ppm
 0.10%
 0.01%
 0.20%
 30.7%
 < 0.5 ppm

Physical Analysis

Bulk Density (untapped)
 Particle Size: residue on 325 mesh (wet sieve)

Specification

1.10 g/cc max
 10.0% max

Typical Value

0.80 g/cc
 5.0%

Appearance and description: Free flowing white powder, almost insoluble in water and alcohol. Dissolves in dilute mineral acids. (Caution! Exothermic reaction!).

Packaging and storage: Net 25 kg in multiwall paper bags with separately sealed moisture proof inner polyethylene bag. Store in original packaging in a dry, ventilated space.

Retest under suitable storage conditions: 4 years from date of manufacture. Customer-tailored specifications and other packaging modes are available.

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