

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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