

## CERTIFICATE OF ANALYSIS

**Product Name:** Magnesium Hydroxide USP Powder

**INCI Name:** Magnesium Dihydroxide / Magnesium Hydroxide / Magnesium (II) Hydroxide / Milk of Magnesia

**Lot No.:** BPCMHUSPP122024

**Country of Origin:** Japan

**Expiry Date:** December 2028

### Product Specifications & Test Results

Physical Form: White, fine powder

Odor: Odorless

Solubility: Practically insoluble in water; soluble in acids.

Magnesium Hydroxide, as  $\text{Mg}(\text{OH})_2 \geq 98.0\%$  98.99%

Calcium, as  $\text{CaO} \leq 0.50\%$  0.45%

Silicon, as  $\text{SiO}_2 \leq 0.30\%$  0.20%

Iron, as  $\text{Fe}_2\text{O}_3 \leq 0.20\%$  0.11%

Aluminum, as  $\text{Al}_2\text{O}_3 \leq 0.10\%$  0.05%

Chloride, as  $\text{Cl} \leq 1.0\%$  1.0%

Sulfur, as  $\text{SO}_3 \leq 0.05\%$  0.01%

Loss on Ignition 30–32% 31.07%

Free Moisture  $\leq 1.0\%$  0.40%

Surface Area Report Value 10.36  $\text{m}^2/\text{g}$

Median Particle Size Report Value 4.18 microns

Passing 325 Mesh  $\geq 99.0\%$  100.0%

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