

**NAME AND CODE****Magnesium Gluconate USP Low HM Powder**

Code 2586

CHEMICAL FORMULA $C_{12}H_{22}MgO_{14} \cdot xH_2O^*$ Mol. Wt. 414.6
(Anhydrous)

*The USP water specification covers the range from monohydrate to trihydrate.

CAS NUMBER

3632-91-5

USE

Nutrient; Dietary Supplement; Pharmaceuticals

DESCRIPTION

white / off-white powder

CHEMICAL SPECIFICATION**TESTS**

Identification

Test A

Test B

Assay

Lead (Pb)

Cadmium (Cd)

Arsenic (As)

Mercury (Hg)

Chloride

Heavy Metals

Residual Solvents

pH (1 in 20)

Reducing Substances

Sulfate

Water

Microbial Test Results

Aerobic Plate Count

Yeast and Mold Count

Total Coliforms

SPECIFICATIONS

Pass Test

Pass Test

98.0-102.0%

1 ppm maximum

1 ppm maximum

1 ppm maximum

0.1 ppm maximum

0.05% maximum

0.002% maximum

Meets USP Requirements

6.0 – 7.8

1.0% maximum

0.05% maximum

3.0 – 12.0%

1000 cfu / gm maximum

100 cfu / gm maximum

Negative

**MAGNESIUM CONTENT
(Typical)**

Anhydrous Basis 5.7 – 6.0%

Dihydrate 5.0 – 5.5%

As- Is 5.0 - 5.5%

CONTAINERS

50 kg / 110 lb. fiber drums; 25 kilogram packs EU only

STORAGE

Store in a clean, dry warehouse in the original unopened containers.

REVISION DATE

08/05/11