

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

Code 2587

CHEMICAL FORMULA $C_{12}H_{22}MgO_{14} \cdot xH_2O^*$ Mol. Weight 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 granules

CHEMICAL SPECIFICATION

TESTS	SPECIFICATIONS
Identification	
Test A	Pass Test
Test B	Pass Test
Assay	98.0-102.0%
Chloride	0.05% maximum
Heavy Metals	0.002% maximum
Lead (Pb)	1 ppm maximum
Cadmium (Cd)	1 ppm maximum
Arsenic (As)	1 ppm maximum
Mercury (Hg)	0.1 ppm maximum
Residual Solvents	Meets USP Requirements
pH (5%)	6.0 – 7.8
Reducing Substances	1.0% maximum
Sulfate	0.05% maximum
Water	3.0 – 12.0%
<u>Microbial Test Results</u>	
Aerobic Plate Count	1000 cfu / gm maximum
Yeast and Mold Count	100 cfu / gm maximum
Total Coliforms	Negative
Anhydrous Basis	5.7 – 6.0%
Dihydrate	5.3 – 5.5%

MAGNESIUM CONTENT
(Typical)**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

08/09/11