

**NAME AND CODE****Magnesium Gluconate USP Powder****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 | SPECIFICATIONS |
|-------------------------------|------------------------|
| Identification | |
| Test A | Pass Test |
| Test B | Pass Test |
| Assay | 98.0-102.0% |
| Arsenic (as As) | 3 ppm maximum |
| Chloride | 0.05% maximum |
| Heavy Metals | 0.002% maximum |
| Residual Solvents | Meets USP Requirements |
| pH (1 in 20) | 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 | 5.0 – 5.5% |
| As- Is | 5.0 - 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

08/05/11