

**NAME AND CODE****Magnesium Lactate Dihydrate EP**

Code 2530: Powder

Code 2531: Granular

CHEMICAL FORMULA $Mg(C_3H_5O_3)_2 \cdot 2H_2O$

Mol. Wt. 238.47

CAS NUMBER

18917-93-6

USE

Nutrient; dietary supplement

DESCRIPTION

White powder or granules

CHEMICAL SPECIFICATION**TESTS****SPECIFICATIONS**

Appearance of Solution

Clear and Colorless

Identification

Test A

Passes

Test B

Passes

Assay (anhydrous basis)

98.0-102.0%

Heavy Metals

10 ppm maximum

LOD (125°C)

14.0 – 16.0 %

pH (5%)

6.5 – 8.5

Iron

40 ppm maximum

Chloride

100 ppm maximum

Sulfate (SO₄)

50 ppm maximum

Foreign Acids

None Detectable

Acidity/Alkalinity

0.1 ml of 0.1N

NaOH per gram maximum

Microbial Test Results

Aerobic Plate Count

1000 cfu/gm maximum

Yeast and Mold Count

100 cfu/gm maximum

Total Coliforms

Negative

MAGNESIUM CONTENT

Anhydrous Basis

11.8- 12.2%

Dihydrate Basis

10.0-10.4%

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

02/23/09