

**NAME AND CODE****Magnesium Lactate Dihydrate EP Low HM Granular**

Code 2536

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 granules

CHEMICAL SPECIFICATION**TESTS**Appearance of Solution
Identification

Test A

Test B

Assay (anhydrous basis)

Heavy Metals

Lead (Pb)

Cadmium (Cd)

Arsenic (As)

Mercury (Hg)

LOD (125°C)

pH (5%)

Iron

Chloride

Sulfate (SO₄)

Foreign Acids

Acidity/Alkalinity

Microbial Test Results

Aerobic Plate Count

Yeast and Mold Count

Total Coliforms

SPECIFICATIONS

Clear and Colorless

Passes

Passes

98.0-102.0%

10 ppm maximum

1 ppm maximum

1 ppm maximum

1 ppm maximum

0.1 ppm maximum

14.0 – 16.0 %

6.5 – 8.5

40 ppm maximum

100 ppm maximum

50 ppm maximum

None Detectable

0.1 ml of 0.1N

NaOH per gram maximum

1000 cfu/gm maximum

100 cfu/gm maximum

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

09/23/09