

# Specification

## Magnesium Malate 11%

Packaging : net 25kgs/package  
 Shelf life : 2 years from date of production  
 Storage conditions : stored in shady, cool, dry, clean and ventilated places and prohibited to be placed together with poisonous or harmful substances. Strongly Recommend to use up after open on the same day.  
 Quality Standard : In-house

●Made from food raw materials ●Free of BSE,GMO,ETO,Allergen,Irradiation ●BRC,GMP,FSSC22000,Kosher,Halal certified producer.

Analysis Item	Specifications	Methods
Appearance	White powder	Visual
Magnesium (on dried basis) ,w/%	≥11.0	ICP-OES
Loss on drying , w/%	≤22.0	USP
pH	9~11	USP
Bulk density , g/ml	≥0.55	Balance
Tapped density , g/ml	≥0.75	Balance
Particle size , w/%	90% passing 60 mesh	Sieving

● Heavy metals Standards

Analysis Item	Specification	Method
Heavy metals , mg/kg	≤10	USP
Pb , mg/kg	≤1	ICP-MS
As , mg/kg	≤1	ICP-MS
Cd , mg/kg	≤1	ICP-MS
Hg , mg/kg	≤0.1	ICP-MS

● Microbiological Standards

Analysis Item	Specification	Method
Total viable count , cfu/g	≤1000	USP or GB
Yeast and Mould , cfu/g	≤25	USP or GB
Coliform bacteria , /g	Negative	USP or GB
Escherichia Coli , /g	Negative	USP or GB
Salmonella , /10g	Negative	USP or GB
Staphylococcus aureus , /g	Negative	USP or GB
Enterobacter sakazakii , /g	Negative	USP or GB
Shigella Castellani , /g	Negative	USP or GB

Detection method can be implemented according to USP, EP, BP, FCC, AJI and GB reference Standards.

Product's generic name and its application suggestions provided in food faith are believed to be correct to the best of our current knowledge. Wilincare ensure the product quality meet the limit test of the items in Specification Sheet provided by us, but does not warrant the product's usage suitability, it has to be determined by end-users. Wilincare is not responsible for the legal or regulatory compliance for where the product is used, and end-users should comply with local regulation about product application scope and methods.

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