

# Specification of L-methionine

Product: L-methionine

Type: Food Grade

Package:25KG/DRUM

Items	Specification	Result
Appearance	White crystals or crystalline powder	Conforms
Assay,%	98.5~101.5	99.4
Identification	Infrared absorption	Conforms
Optical rotation	+22.4°~+24.7°	+23.8°
PH PH value (10mg/ml in water)	5.6~6.1	5.81
Loss on drying,(100-105°C)%	≤0.3	0.12
Residue on ignition,%	≤0.4	0.07
Sulfate,%	≤0.03	<0.03
Chloride,%	≤0.05	<0.05
Iron, %	≤0.003	<0.003
Heavy metals,%	≤0.0015	<0.0015
Chromatographic purity,%	Individual impurity ≤0.5 Total impurities ≤2.0	Conforms
Organic volatile impurities	Meets the requirements	Conforms
Arsenic, ppm	≤1	<1

Meet USP40 Standard.

Keep away from Light and Water