

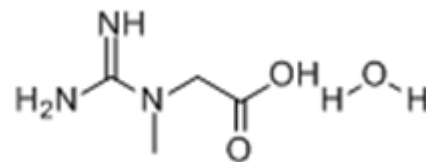
SPECIFICATION SHEET

Creatine Monohydrate

Molecular Formula: $C_4H_9N_3O_2 \cdot H_2O$

Molecular Weight: 149.15

CAS No.: 6020-87-7



GENERAL CHARACTERISTICS

Appearance	Crystalline powder
Color	White

ANALYTICAL CHARACTERISTICS

Assay	Min 99.0%	HPLC, in-house
Creatinine	Max 50ppm	HPLC, in-house
Dicyanamide	Max 20ppm	HPLC, in-house
Cyanide	Max 1ppm	CP2010
Mesh size	200 Mesh	in-house
Loss on drying	Max 12.0%	in-house
Residue on ignition	Max 0.1%	in-house
Heavy metals(Pb)	Max 5ppm	in-house
Arsenic(as As)	Max 1ppm	in-house
Sulphate	Max 0.03%	GB9728-88

MICROBIAL CHARACTERISTICS

Total Plate Count	Max 1,000cfu/g	GB 4789.2-2016
Mold & Yeast	Max 100cfu/g	GB 4789.15-2016
<i>E. Coli</i>	Negative	GB 4789.38-2012

FUNCTIONS

- 1) It can inhibit the production of muscle fatigue factors, reduce muscle fatigue and restore physical fitness;
- 2) It can accelerate the body protein synthesis to make the muscles more solid;
- 3) It can lower cholesterol, blood lipids and blood sugar;
- 4) It can improve muscular dystrophy in the elderly.



APPLICATIONS

It can be widely used in the field of food, cosmetics and pharmaceutical.

PACKAGING&SHELF LIFE

Packaging	25kg/ drum.
Storage condition	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	2 years if sealed and stored properly.