



Impact Foods
Heal Yourself, Heal the World!

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PRODUCT SPECIFICATION

PRODUCT NAME: Creatine Monohydrate Powder (200 mesh)

ORIGIN: China

GENERAL PRODUCT INFORMATION	
PARAMETER	DETAIL/ DESCRIPTION
Shelf Life	24 months from production date
Storage Requirement	The product can be stored at room temperature in the unopened original container. It shall be stored in tightly closed containers at room temperature, and protected from heat, light, moisture and oxygen.
Chemical Formula	C ₄ H ₉ N ₃ O ₂ ·H ₂ O
Molecular Weight	149.15
CAS No.	6020-87-7

PHYSICAL CHEMICAL PARAMETER	
PARAMETER	SPECIFICATION
Color	White Powder
Assay (Creatine Monohydrate)	≥ 99.0%
Identification	IR spectra obtained with the sample corresponds to that obtained with standard substance. The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the Assay.
Moisture	≤ 12.0%
Residue on Ignition	≤ 0.1%
Bulk Density	≥ 0.30g/mL
Tapped Density	≥ 0.50g/mL
Creatinine	≤ 100ppm
Dicyandiamide	≤ 50ppm
Dihydrotriazine	≤ 5ppm



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Any unspecified impurity	≤ 0.1%
Total unspecified impurities	≤ 1.5%
Total impurities	≤ 2.0%
Chloride and Sulfate	≤ 0.1%

HEAVY METAL PARAMETER	
PARAMETER	SPECIFICATION
Heavy	≤ 0.5ppm
Lead	≤ 0.1ppm
Cadmium	≤ 0.1ppm
Arsenic	≤ 0.1ppm
Mercury	≤ 0.1ppm

MICROBIOLOGICAL PARAMETERS	
PARAMETER	SPECIFICATION
Aerobic Plate Count	≤ 1000 cfu/g
E. Coli	Negative/10g
Yeast and Mould	≤ 100 cfu/g
Salmonella	Negative/10g

DECLARATIONS:
Other Details
The specification is based on the information of our suppliers. We recommend to proof the suitability of our product by own tests.