

Creatine Monohydrate 200 mesh – FOOD

Specification code **CM/1/CHE/E**

Date 11/12/2024

Physical and chemical specification

ITEMS	SPECIFICATION
Appearance	White crystalline odorless powder
Clarity and color of solution	Fine, clear and colorless transparent
Taste and smell	No odor, no peculiar smell
Assay	99.50% Min
Loss on drying	12% Max
Residue on Ignition	0.1% Max
Particle size	200 mesh
Sulphate	0.1% Max
Creatinine	100 ppm Max
Dicyanamide	50 ppm Max
Cyanide	1 ppm Max
Impurity	1% Max
Heavy metals	10 ppm Max
Dihydrotriazine (DHT)	5 ppm Max
Cyanoguanidine	50 ppm Max
Monocyanamine	1 ppm Max
Lead	1 ppm Max
Arsenic	1 ppm Max
Mercury	0.1 ppm Max
Cadmium	1 ppm Max
Iron	10 ppm Max
Total bacterial count	1000 CFU/g Max
Bulk Density	430 g/L Min
Tapped Density	550 g/L Min

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Yeast & Mold	100 CFU/g Max
Saccharomycetes	100 CFU/g Max
E. Coli	Negative/10 g
Salmonella	Negative/25 g
Coliforms	Negative/10 g
Staphylococcus aureus	Negative/10 g
Storage	Store cool & dry place