

CREATINE MONOHYDRATE

200 MESH · FT 2407911C25K · 31 MAR 2026

Specification issued by manufacturer

TEST ITEM	STANDARD	METHOD OF ANALYSIS
IDENTIFICATION & COMPOSITION		
Identification	The testing samples's infrared absorption spectrum should be consistent with the reference map	USP <197K>
Identification	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay	USP <621>
Appearance	White Powder	White Powder
Content Assay (dry basis)	99.5-102.0%	USP <621>
Loss on drying	10.5-12.0%	USP <731>
PURITY & PHYSICOCHEMICAL PARAMETERS		
Creatinine	≤100ppm	USP <621>
Dicyanamide	≤50ppm	USP <621>
Dihydrotriazine	≤0.0005%	USP <621>
Any unspecified impurity	≤0.1%	USP <621>
Total unspecified impurities	≤1.5%	USP <621>
Total impurities	≤2.0%	USP <621>
Sulfate	≤0.03%	USP <221>
Residue on Ignition	≤0.1%	USP <281>
Bulk Density	≥400g/L	USP <616>
Tapped Density	≥550g/L	USP <616>
Test Of Sulfuric Acid	No Carbonation	USP <271>

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HEAVY METALS & CYANIDE		
Heavy Metals	≤10ppm	USP<231>
Lead	≤0.1ppm	AAS
Arsenic	≤1ppm	AAS
Mercury	≤0.01ppm	AAS
Cadmium	≤1ppm	AAS
Cyanide	≤1ppm	Colorimetry
PARTICLE SIZE		
Particle size	≥70% through 200 mesh	USP<786>
MICROBIOLOGICAL PARAMETERS		
Total Bacterial Count	≤100cfu/g	USP<2021>
Yeast & Mould	≤100cfu/g	USP<2021>
E.Coli	Not detected/10g	USP<2022>
Salmonella	Not detected/10g	USP<2022>
Staphylococcus Aureus	Not detected/10g	USP<2022>

PACKING INFORMATION

Internal: Double PE bag / External: / 25kg per carton box

CONCLUSION

The material complies with in-house standard.

STORAGE

Preserve in well sealed container, store in cool and dried place, away from strong light and heat, when stored under above condition, the expiry date is 2 years away from manufactured date.