Inner Mongolia ChengXin YongAn Chemical Co., Ltd.

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Creatine Monohydrate Specification

Date: Aug 02,2025

Test Item	Standard	Method of Analysis
Appearance	White powder	Visual
Identification	The testing samples's infrared absorption spectrum should be consistent with the reference map	USP<197K>
	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>
Content Assay (dry basis)	99.5-102.0%	USP<621>
Loss on drying	10.5-12.0%	USP<731>
Creatinine	≤100ppm	USP<621>
Dicyandiamide	≤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>
Heavy Metals	≤10ppm	USP<231>
Lead	≤0.1ppm	AAS
Arsenic	≤1ppm	AAS
Mercury	≤0.01ppm	AAS
Cadmium	≤1ppm	AAS
Cyanide	≤1ppm	Colorimetry
Particle size	≥70% through 200 mesh	USP<786>
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

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

Conclusion: The material complies with in-house standard.

内蒙古诚信永安化工有限公司

INNER MONGOLIA CHENGXIN YONGAN CHEMICAL CO., LTD.

胡兴哲