



Xi'an Green Spring Technology Co.,Ltd

Certificate of Analysis			
Product Name:	Creatine monohydrate	Manufacture Date:	Mar.21,2024
Batch Number:	2024032101GS	Certificate Date:	Mar.26,2024
Batch Quantity:	3800 Kg	Expiry Date	Mar.20,2026
CAS NO.	6020-87-7	Grade	USP
Test Item	Specification	Analysis Results	Method
Assay	≥99.5%	99.98%	HPLC USP<621>
Appearance	White crystalline powder	White crystalline powder	Organoleptic
Solubility	Slightly soluble in water	Conform	Organoleptic
Particle Size	NLT 80% Through 200mesh	Conform	Analytical sieving USP<621>
Loss on drying	≤12.0%	11.65%	USP<731>
Residue on ignition	≤0.1%	0.02%	USP<281>
Bulk Density	≥0.43g/ml	0.492g/ml	USP<616> method 1
Tapped Density	≥0.55g/ml	0.740g/ml	USP<616> method 1
Heavy metals(as Pb)	≤0.5PPM	<0.5ppm	USP<231> method 2
Arsenic	≤0.1PPM	<0.1ppm	ICP-MS
Lead	≤0.1PPM	<0.1ppm	ICP-MS
Cadmium	≤0.1PPM	<0.1ppm	ICP-MS
Mercury	≤0.1PPM	<0.1ppm	ICP-MS
Sulfate	≤0.1%	<0.1%	Colorimetry
Iron	<10PPM	<10ppm	USP<241>
Dicyandiamide	≤0.1%	0.06%	USP<241>
Creatinine	≤0.1%	0.03%	USP<241>
Any unspecified impurity	≤0.1%	Not detected	USP<241>
Total unspecified impurities	≤1.5%	Not detected	USP<241>
Total impurities	≤2.0%	0.009%	USP<241>
Total Bacterial count	≤1000cfu/g	Conform	USP<61>
Mold & Yeast	≤100cfu/g	<100cfu/g	USP<61>
E.Coli	Not detected	Not detected	USP<62>
Salmonella	Not detected	Not detected	USP<62>
Staphylococcus Aureus	Not detected	Not detected	USP<62>
Conclusion:Conform with specification.			
Storage: Keep in cool & dry place. Keep away from strong light and heat.			
Packing: By 25kgs/Drum,inner by plastic bag.			
Shelf life: Two Years under the above condition, and in it's original package.			

Quality Assurance Liang Yan

