

CERTIFICATE OF ANALYSIS

Product Name:	Creatine monohydrate		
CAS No.:	6020-87-7	Standard:	USP
Batch No:	20220718-1	Manuf. Date:	July. 18, 2022
Quantity:	1800kg	Expiration Date:	July. 17, 2024
Storage Condition:	Preserve in tight containers at controlled room temperature.		

TEST ITEM	SPECIFICATION	RESULTS
Appearance	White crystalline powder	Conforms
Identification	HPLC	Conforms
Solubility (1N NaOH)	Clear and colorless	Conforms
Physical & Chemical Characteristics		
Loss on Drying	10.5%-12.5%	10.96%
Residue on Ignition	≤0.1%	0.05%
Particle Size	NLT 95%Through 200 mesh	Conforms
Bulk Density	400g/L~550g/L	490g/L
Tap Density	500g/L~650g/L	600g/L
Heavy Metals	≤10ppm	Conforms
Lead(Pb)	≤3.0ppm	Conforms
Arsenic(As)	≤1.0ppm	Conforms
Mercury(Hg)	≤0.1ppm	Conforms
Cadmium(Cd)	≤1.0ppm	Conforms
Creatinine	≤100ppm	Conforms
Dicyandiamide	≤100ppm	Conforms
Cyanide	≤1ppm	Not Detected
Dihydrotriazine	≤5ppm	Not Detected
Impurity	≤1.0%	0.45%
Microbiological Tests		
Total plate Count	≤10cfu/g	Conforms
Yeast & Mold	Negative	Negative
Coliforms	Negative	Negative
E.Coli&Salmonella	Negative	Negative
Staphylococcus Aureus	Negative	Negative
Assay(HPLC)	98.0%-102.0%	99.86%
Conclusion:	Conform to the USP Standard.	

Tested by:Tiantian Wang

Approved by:Yulian Liu

