

CERTIFICATE OF ANALYSIS

Product Name:	Creatine Monohydrate	CAS No:	6020-87-7
Batch No.:	ZYCM20220816	Manufacture Date:	08/16/2022
Quantity:	3860kg	Expired Date:	08/15/2024
Standard:	USP	Shelf life:	2years

Analysis Items	Specification	Result
Assay,(%)	98.0-102.0	99.91
Identification IR	HPLC	Conforms
Solubility (1N NaOH)	Clear and colorless	Conforms
Appearance	White crystalline powder	Conforms
Loss on Drying,(%)	10.5-12.5	11.01
Residue on Ignition,(%)	≤0.1	0.06
Particle Size	NLT 95%Through 80 mesh	Conforms
Bulk Density,(g/L)	400~550	500
Tap Density,(g/L)	500~650	620
Impurity,(%)	≤1.0	0.12
Creatinine,(ppm)	≤100	84.99
Dicyanamide,(ppm)	≤100	96.67

Heavy metals

Lead,(mg/kg)	≤3.0	Conforms
Arsenic,(mg/kg)	≤1.0	Conforms
Cadmium,(mg/kg)	≤1.0	Conforms
Mercury,(mg/kg)	≤0.1	Conforms

Microbiological

Total Plate Count,(cfu/g)	≤10	Conforms
Yeast & Mold,(cfu/g)	Negative	Conforms
E.Coli,(cfu/g)	Negative	Conforms
Salmonella,(cfu/g)	Negative	Conforms

Conclusion: Conform to Specification

Storage:Store in a well-closed container away from moisture,direct light and heat.

Inspector:Liuqiang

Reexamining:Zhangguangchao

Verification:Miaoyu