

**ACROSS BIOTECH**

MAKE A DIFFERENCE

Certificate of Analysis

Item	Creatine monohydrate 200 mesh	CAS No.	6020-87-7
MFG Date	2022/05/22	EXP Date	2025/05/21
Quantity	2,000 kgs	Package	25kg/drum
Batch No.	202205-013		

Item	Specification	Results
Appearance	White crystalline powder	Qualified
Solubility	Slightly soluble in water	Qualified
Assay	$\geq 99.5\%$	100.06%
Creatinine	$\leq 100\text{ppm}$	32ppm
Loss on drying	$\leq 12.0\%$	11.65%
Residue on ignition	$\leq 0.1\%$	0.02%
Iron	$\leq 10\text{ppm}$	<10ppm
Sulfate	$\leq 0.1\%$	Qualified
Dicyandiamide	$\leq 50\text{ppm}$	22ppm
Dihydrotriazine	$\leq 5\text{ppm}$	None-Detectable
Any unspecified impurity	$\leq 0.1\%$	None-Detectable
Total unspecified impurities	$\leq 1.5\%$	None-Detectable
Total impurities	$\leq 2.0\%$	None-Detectable
Heavy metal	$\leq 0.5\text{ppm}$	<0.5ppm
Arsenic	$\leq 0.1\text{ppm}$	<0.1ppm
Lead	$\leq 0.1\text{ppm}$	<0.1ppm
Mercury	$\leq 0.1\text{ppm}$	<0.1ppm
Cadmium	$\leq 0.1\text{ppm}$	<0.1ppm
Bulk density	$\geq 430\text{g/L}$	497g/L
Tapped density	$\geq 550\text{g/L}$	700g/L
Total bacterial count	$\leq 100\text{cfu/g}$	<50cfu/g
Mould & Yeast	$\leq 100\text{cfu/g}$	<50cfu/g
E.Coli	Negative	Negative
Salmonella	Negative/10g	Negative
S.aureus	Negative	Negative
Conclusion:	Qualified	

Tested by: Meng Cheng

Approved: Yun Li