



XI'AN HARMONIOUS NATURAL BIO-TECH CO.,LTD

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Certificate of Analysis

Batch No.: HNB211015

Product Name: **Creatine monohydrate (200mesh)**

CAS No.: 6020-87-7

Batch quantity: 7000kg

Manufacture Date: Oct., 15th, 2021 Analysis Date: Oct., 16th, 2021 Expiry Date: Oct., 14th, 2023

Storage: Store in cool & dry place, in well-closed containers.

Shelf life: 24 Months when properly stored.

Standard: USP 43

ITEMS OF ANALYSIS	SPECIFICATIONS	RESULT
Appearance	White Crystalline powder	Conforms
Odor & Taste	Characteristic	Conforms
Identification	Conform with the standard	Conforms
Particle Size	200mesh	Conforms
Bulk Density	$\geq 550\text{g/L}$	643g/L
Solvent Density	$\geq 430\text{g/L}$	475g/L
Creatinine	$\leq 50\text{ppm}$	28ppm
Loss on drying	$\leq 12.0\%$	11.55%
Residue on Ignition	$\leq 0.1\%$	0.04%
Heavy Metals	$\leq 5\text{ppm}$	<0.5ppm
Arsenic	$\leq 1\text{ppm}$	<0.1ppm
Fe	$\leq 10\text{ppm}$	<10ppm
Hg	$\leq 1\text{ppm}$	<0.1ppm
Cd	$\leq 1\text{ppm}$	<0.1ppm
Sulphate	$\leq 0.1\%$	<0.1%
Ash	$\leq 0.1\%$	0.06%
Total Plate Count	$\leq 100\text{cfu/g}$	<50cfu/g
Yeast and Mould Count	$\leq 100\text{cfu/g}$	<50cfu/g
E.coli	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus	Negative	Conforms
Assay	$\geq 99.5\%$	99.96%
Conclusion	Complies with the standard	

QC MANAGER:

王孝月

INSPECTOR:

杨思远

