

CERTIFICATE OF ANALYSIS

Product Name: Creatine Monohydrate	
Batch No.: 20220419C	Quantity: 2700kg
Manufacture Date: April 19 th , 2022	Retest Date: April 18 th , 2024

Item:	Release specifications	Standard	Test Method
Appearance	White to off white powder		Visual
Assay	99.50% Min	100.31%	USP<621>
Creatinine	50ppm Max	Conforms	USP<621>
Dicyanamide	20ppm Max	Conforms	USP<621>
Cyanide	1ppm Max	Conforms	Colorimetry
Loss on drying	12.0% Max	11.07%	USP<731>
Residue on Ignition	0.1% Max	0.04%	USP<281>
Bulk Density	0.4 ~ 0.55 ml/g	Conforms	USP<616>
Heavy Metals (Pb)	10ppm Max	Conforms	USP<231>
Arsenic (As)	1ppm Max	Conforms	AAS
Cadmium	1ppm Max	Conforms	AAS
Mercury	0.1ppm Max	Conforms	AAS
Total plate count	<1000 cfu/g Max	Conforms	USP<2021>
Coliforms	Negative	Conforms	USP<2021>
E. Coli & Salmonella	Negative	Conforms	USP<2022>
Yeast & Mould	Negative	Conforms	USP<2022>
Staphylococcus Aureus	Negative	Conforms	USP<2022>
Sulphate	0.03% Max	Conforms	USP<221>
Mesh size	200 Mesh	73% Through 200 mesh	USP<786>

Conclusion: This batch is conforming to Enterprise Internal Standard.