

CERTIFICATE OF ANALYSIS

Product Name: Creatine HCL

Batch Number: 20231106

Manufacture Date: 2023.11.6

Expiration Date: 2025.11.5

Batch Quantity: 1000KG

Items	Specifications	Results
Appearance	White crystalline powder	Conform
Clarity and colour of solution	Clear and colourless	Conform
Residue on Ignition	1.00%	0.64%
Melting Point	134-144°C	134-144°C
Assay	99.0% MIN	99.54%
HCL	21%-22%	21.06%
Creatinine	1.0% MAX	0.45%
Creatine	78%-79%	78.24%
Loss On Drying	0.5% MAX	0.06%
Heavy metals(Pb)	10ppm MAX	Conform
Arsenic	1ppm MAX	Conform
Lead	3ppm MAX	Conform
Cadmium	1ppm MAX	Conform
Mercury	0.1ppm MAX	Conform
Bulk density	0.5-0.54g/ml	0.52g/l
Tapped bulk density	0.74-0.78g/ml	0.74g/l
Total Plate Count	1000CFU/G MAX%	Conform
Salmonella	Negative	Negative
E-coli	Negative	Negative
Yeast&Mould	100CFU/G MAX%	Conform
Staphylococcus Aureus	Negative	Conform

Analyst: Wen Qian**Quality Assurance Officer: Zhan Peng**