



Certificate of Analysis

Product Name: Creatine Monohydrate

CAS No.:	6020-87-7	Standard	USP
Batch Number:	PC-CM250213	Production Date:	2025.02.13
Quantity:	15,000Kgs	Expiration Date	2027.02.12

Item	Specification	Results
Appearance	White Crystalline Powder The testing samples infrared absorption spectrum should be consistent with the reference map	Conforms
Identification	The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the assay	Conforms
Test of Sulfuric Acid	No Carbonation	Conforms
Assay (HPLC)	98.0%-102.0%	99.83%
Sulphate	≤0.03%	Conforms
Solubility(1N NaOH)	Clear and colorless	Conforms
Particle size	≥95% through 200 mesh	Conforms
Residue on Ignition	≤0.1%	0.05%
Loss on Drying	10.5%-12.5%	11.35%
Bulk Density	400g/L-550g/L	485g/L
Tap Density	500g/L-650g/L	610g/L
Creatinine	≤100ppm	46ppm
Dicyanamide	≤50ppm	Conforms
Cyanide	≤1ppm	Not Detected
Dihydrotriazine	≤5ppm	Not Detected
Unspecified Impurity (Any)	≤0.1%	Not Detected
Unspecified Impurity (Total)	≤1.5%	Not Detected
Total Impurities	≤2.0%	0.05%
Heavy Metals	≤10ppm	Conforms
Lead (Pb)	≤1.00ppm	Conforms
Arsenic (As)	≤1.00ppm	Conforms
Cadmium (Cd)	≤1.00ppm	Conforms
Mercury (Hg)	≤0.10ppm	Conforms
Total Plate Count	≤100cfu/g	Conforms
Yeast & Mold	Negative	Negative
E.Coli&Salmonella	Negative	Negative



Coliform Negative Negative Conform to the USP Standard.
Staphylococcus Aureus Preserve in tight containers at controlled temperature
Conclusion: Negative
Storage:

ANALYST:



INSPECTOR:

