

CERTIFICATE OF ANALYSIS

TO: ABC INGREDIENTS LIMITED
6/F MANULIFE PLACE,
348 KWUN TONG ROAD KOWLOON,HONGKONG

INVOICE NO.: TKVM24021-SA-BP2024011
DATE: MARCH 26, 2024

Product Name	Creatine Monohydrate 200 Mesh		
Manufacture Date	13-Mar-24	Expiry Date	12-Mar-26
Quantity	27000KGS	Number Of Packages	1080 Cartons
Batch No.	20240313	Packing Spec	25kg/Carton
Item	Specification	Result	Analysis Method
Appearance	White Crystalline Powder	Qualified	VISUAL
Solubility	Slightly soluble in water	Qualified	CHP2010
Clarity & color of solution	Clear & colorless	Qualified	VISUAL
Odor & amp	Odorless & pale	Qualified	--
Melting point	292 °C	Qualified	CHP2010
Assay	≥99.5%	99.59%	TITRATION
Creatinine	≤100ppm	30ppm	HPLC
Loss On Drying	≤12.0%	11.63%	CHP2010
Residue On Ignition	≤0.1%	0.03%	CHP2010
Iron	≤10ppm	<0.6ppm	CHP2010
Sulfate	≤0.1%	Qualified	CHP2010
Dicyandiamide	≤50ppm	28ppm	LC-UV
Dihydrotriazine	≤5ppm	None-Detectable	LC-UV
Any unspecified impurity	≤0.1%	None-Detectable	CHP2010
Total unspecified impurities	≤1.5%	None-Detectable	CHP2010
Total impurities	≤2.0%	None-Detectable	CHP2010
Heavy Metal	≤0.5ppm	<0.32ppm	USP43
Arsenic (As)	≤0.1ppm	<0.01ppm	USP43
Lead (Pb)	≤0.1ppm	<0.04ppm	USP43
Mercury (Hg)	≤0.1ppm	<0.01ppm	USP43
Cadmium (Cd)	≤0.1ppm	<0.01ppm	USP43
Bulk Density	≥430g/L	510g/L	--
Tapped Density	≥550g/L	780g/L	--
Total Bacterial Count	≤100cfu/g	<50cfu/g	USP2022
Mould & Yeast	≤100cfu/g	<50cfu/g	USP2022
E.Coli	Negative	Negative	USP2022
Salmonella	Negative/25g	Negative	USP2022
S.aureus	Negative	Negative	USP2022
Conclusion: Qualified			
Country Of Origin: China			
Remark: Stored in cool, dry and ventilated warehouse, and keep away from Moisture.			
Person Responsible For Quality:	Ma Yan	Analyst	Yao Haiju

