

**Certificate of Analysis**

Product Name	Creatine Monohydrate	Manufacture Date	20210715
Batch Number	YG20210715	Analysis Date	20210720
Quantity	2000kg	Expiry Date	202130714

ITEMS	SPECIFICATION	RESULTS
Content Assay (dry basis) %	≥99.9	99.99
<b>Physical &amp; Chemical</b>		
Appearance	White crystalline odorless powder	White crystalline odorless powder
Loss on drying,%	≤12.0	10.95
Residue on ignition,%	≤0.1	0.02
Bulk Density	≥600g/l	680g/l
Tapped Density	≥720g/l	890g/l
Creatinine	≤100ppm	44 ppm
Dicyanamide	≤50ppm	42ppm
Sulfate ,%	≤0.1	<0.1
Cyanide	≤1ppm	<1ppm
<b>Heavy metals</b>		
Heavy metals	≤10ppm	<10ppm
Arsenic	≤1ppm	<1ppm
Cadmium	≤1ppm	Conformed
Lead	≤1ppm	Conformed
Mercur	≤0.1ppm	Conformed
<b>Microbiological</b>		
Clarity & color of solution	Clear and colorless	Conformed
Total Bacterial count	≤100cfu/g	Conformed
E.Coli & Samlmonella	Negative	Conformed
Yeast & Mould	Negative	Conformed
Staphylococcus Aureus	Negative	Conformed
Shelf life	two years	

