



**CERTIFICATE OF ANALYSIS**

**Creatine Monohydrate (200 Mesh)**

Lot Number: 20120623  
Manufacturing Date: 6/2012  
Expiration Date: 6/2014

CAS No.: 6020-87-7  
Country of Origin: China  
Standard: Enterprise

<u>Item</u>	<u>Specifications</u>	<u>Test Result</u>
Assay:	99.0 - 102.0%	99.89%
Appearance:	White, Crystalline Powder	Conforms
Color & Clarity of Solution:	Clear & Colorless	Conforms
Loss on Drying:	≤ 12.0%	11.6%
Residue on Ignition:	≤ 0.1%	0.1%
Bulk Density:	≥ 0.5 g/ml	Conforms
Sulfate (SO4):	≤ 0.1%	Conforms
Heavy Metals:	≤ 10 ppm	Conforms
Iron:	≤ 10 ppm	Conforms
Arsenic:	≤ 0.0001%	Conforms
Creatinine:	≤ 100 ppm	19 ppm
Particle Size:	≥ 70% pass thru 200 mesh	> 70%
Bulk Density:	≥ 430 g/L	459 g/L
Tapped Density:	≥ 550 g/L	794 g/L

Microbiological Data

Total Plate Count:	≤ 1,000 cfu/g	10 cfu/g
Yeasts & Molds:	≤ 25 cfu/g	Conforms
E.coli:	Negative	Negative
Salmonella:	Negative	Negative
Coliforms:	≤ 10 cfu/g	< 10 cfu/g