

## Certificate of Analysis

Date of Testing: 2022-12-28 16:42:27  
Date of Next Testing: 2026-12-27 16:42:27  
Product Name: **Creatine monohydrate**  
CAS Number: 6020-87-7  
Specifications & Purity:  $\geq 98\%$   
Lot #: L22151020  
SKU #: **C105702**  
Analysis: **158922**

| Parameter  | Limit Values              | Result                    |
|--|---------------------------|---------------------------|
| Purity(Titration by HClO <sub>4</sub> (calcd.on anh.substance) | 98-102 (%)                | 100.07 %                  |
| Ignition Residue (as sulfate)                                  | 0-0.1 (%)                 | 0.00 %                    |
| Loss on drying   | 6-13 (%)                  | 11.55 %                   |
| Creatinine   | 0-0.5 (%)                 | 0.44 %                    |
| Purity(HPLC)   | 98-100 (%)                | 98.80700 %                |
| Dicyandiamide  | 0-0.5 (%)                 | 0.40 %                    |
| Appearance (C105702)   | White to Off-White Powder | White to Off-White Powder |
| Clear colorless solution(50mg/ml,water)                        | pass                      | Pass                      |
| Proton NMR spectrum  | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager