

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2023-07-05 18:16:38  
Date of Next Testing: 2027-07-04 18:16:38  
Product Name: **Creatine monohydrate**  
CAS Number: 6020-87-7  
Specifications & Purity:  $\geq 98\%$   
Lot #: G2303443  
SKU #: **C105702**  
Analysis: **240234**

| Parameter                                                    | Limit Values              | Result                    |
|--------------------------------------------------------------|---------------------------|---------------------------|
| Purity(Titration by $\text{HClO}_4$ (calcd.on anh.substance) | 98-102 (%)                | 99.85000 %                |
| Ignition Residue (as sulfate)                                | 0-0.1 (%)                 | 0.02330 %                 |
| Loss on drying                                               | 6-13 (%)                  | 11.68240 %                |
| Creatinine                                                   | 0-0.5 (%)                 | 0.00000 %                 |
| Purity(HPLC)                                                 | 98-100 (%)                | 99.17000 %                |
| Dicyandiamide                                                | 0-0.5 (%)                 | 0.40000 %                 |
| 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