

Certificate of Analysis

Date of Testing: 2023-11-30 11:22:03
Date of Next Testing: 2027-11-29 11:22:03
Product Name: **Creatine monohydrate**
CAS Number: 6020-87-7
Specifications & Purity: $\geq 98\%$
Lot #: K2317378
SKU #: **C105702**
Analysis: **292241**

| Parameter | Limit Values | Result |
|--|---------------------------|---------------------------|
| Purity(Titration by HClO ₄ (calcd.on anh.substance) | 98-102 (%) | 99.36 % |
| Loss on drying | 6-13 (%) | 11.00 % |
| Purity(HPLC) | 98-100 (%) | 99.43000 % |
| Ignition Residue (as sulfate) | 0-0.1 (%) | 0.10 % |
| Creatinine | 0-0.5 (%) | 0.00 % |
| Dicyandiamide | 0-0.5 (%) | 0.48 % |
| 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 |



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QA & QC Manager