

Certificate of Analysis

Date of Testing: 2024-08-10 10:14:30
 Date of Next Testing: 2028-08-09 10:14:30
 Product Name: **Creatinine**
 CAS Number: 60-27-5
 Specifications & Purity: 99%
 Lot #: G2426594
 SKU #: **C108393**
 Version: **0**
 Analysis #: **377750**
 Storage Temperature: Store at 2-8°C, Desiccated

| Parameter | Limit Values | Result |
|--|---------------------------------------|---------------------------------------|
| Sulfate Ash | 0-0.1 (%) | 0.02 % |
| loss on drying, 105 °C | 0-0.5 (%) | 0.01 % |
| Carbon by Elemental Analysis | 41.6-43.3 (%) | 41.75 % |
| Heavy metal (as Pb) | 0-20 (ppm) | 1.36 ppm |
| Purity(HPLC) | 99-100 (%) | 99.90900 % |
| Purity(Nonaqueous Titration) | 99-101 (%) | 99.90 % |
| creatine(TLC) | 0-0.2 (%) | 0.03 % |
| Nitrogen by Elemental Analysis | 36.4-37.9 (%) | 37.03 % |
| Appearance (C108393) | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Solubility in H2O , Colorless to Faint Yellow , Clear , 50 mg/ml H2O | pass | Pass |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



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 QA & QC Manager