

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-21 10:01:54  
 Date of Next Testing: 2027-02-20 10:01:54  
 Product Name: **Creatinine**  
 CAS Number: 60-27-5  
 Specifications & Purity: 99%  
 Lot #: B2309354  
 SKU #: **C108393**  
**Analysis:** **173691**  
 Storage Temperature: Store at 2-8°C, Desiccated

Parameter	Limit Values	Result
Sulfate Ash	0-0.1 (%)	0.04 %
loss on drying, 105 °C	0-0.5 (%)	0.12 %
Carbon by Elemental Analysis	41.6-43.3 (%)	42.29 %
Heavy metal (as Pb)	0-20 (ppm)	3.62 ppm
Purity(HPLC)	99-100 (%)	99.51400 %
Purity(Nonaqueous Titration)	99-101 (%)	99.89 %
creatine(TLC)	0-0.2 (%)	0.14 %
Nitrogen by Elemental Analysis	36.4-37.9 (%)	37.35 %
Appearance (C108393)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Solubility in H <sub>2</sub> O , Colorless to Faint Yellow , Clear , 50 mg/ml H <sub>2</sub> O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
 QA & QC Manager