

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-02-21 10:24:48
Date of Next Testing:	2027-02-20 10:24:48
Product Name:	<b>Creatinine</b>
CAS Number:	60-27-5
Specifications & Purity:	99%
Lot #:	B2309324
SKU #	<b>C108393</b>
<b>Analysis:</b>	<b>173691</b>
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