

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2023-03-08 12:01:32
Date of Next Testing:	2027-03-07 12:01:32
Product Name:	Sodium tartrate dibasic dihydrate
CAS Number:	6106-24-7
Specifications & Purity:	ACS, ≥99%
Lot #:	C2301842
SKU #	S111693
Analysis:	160884

Parameter	Limit Values	Result
Ammonia (NH ₄)	0-0.003 (%)	0.00 %
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00 %
Chloride (Cl ⁻)	0-5 (ppm)	1.63 ppm
Phosphate(PO ₄)	0-5 (ppm)	2.06 ppm
PH(5% in water,25°C)	7-9	7.73
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Purity(Titration by HClO ₄)	99-101 (%)	99.13 %
Iron(Fe)	0-0.001 (%)	0.00 %
Calcium(Ca)	0-0.01 (%)	0.00 %
Insoluble matter: (10% in H ₂ O)	0-0.005 (%)	0.00 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	25-27 (°)	26.91 °
Loss on Drying(150°C to Constant Weight)	15.61-15.71 (%)	15.70 %
Appearance (S111693)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager