

## Certificate of Analysis

Date of Testing:	2023-12-22 12:02:48
Date of Next Testing:	2027-12-21 12:02:48
Product Name:	<b>Sodium tartrate dibasic dihydrate</b>
CAS Number:	6106-24-7
Specifications & Purity:	ACS, ≥99%
Lot #:	L2319083
SKU #	<b>S111693</b>
<b>Analysis:</b>	<b>160884</b>

Parameter	Limit Values	Result
Ammonia (NH <sub>4</sub> )	0-0.003 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.005 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-5 (ppm)	1.63 ppm
Phosphate(PO <sub>4</sub> )	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 <sub>4</sub> )	99-101 (%)	99.13 %
Iron(Fe)	0-0.001 (%)	0.00 %
Calcium(Ca)	0-0.01 (%)	0.00 %
Insoluble matter: (10% in H <sub>2</sub> O)	0-0.005 (%)	0.00 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> 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



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager