

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-06 12:05:14

Date of Next Testing: 2027-11-05 12:05:14

Product Name: **Thiamine hydrochloride**

CAS Number: 67-03-8

Specifications & Purity: 99%

Lot #: K2302079

SKU #: **T283819**

Version: **1**

Analysis #: **050652**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	2.78 %
Carbon by Elemental Analysis(anhydrous)	42.1-43.4 (%)	43.01 %
Nitrogen by Elemental Analysis (anhydrous)	16.1-17.1 (%)	16.89 %
Purity(HPLC)	99-100 (%)	99.01500 %
Appearance (T283819)	white powder or chunk	white powder or chunk
Proton NMR spectrum	Conforms to structure	Conforms to Structure

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

John Su
QA & QC Manager