

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2025-05-23 17:02:11
Date of Next Testing:	2027-05-23 17:02:11
Product Name:	1,7-Dimethylxanthine
CAS Number:	611-59-6
Specifications & Purity:	≥97%
Lot #:	E2516491
SKU #	P137297
Version	0
Analysis #:	382925
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Lambda max	267-271 (nm)	267.20 nm
Purity(HPLC)	97-100 (%)	97.00000 %
UV (EmM at Lambda max)	9-11	10.40
Carbon by Elemental Analysis(anhydrous)	46.2-47.2 (%)	46.23 %
Nitrogen by Elemental Analysis	30.8-31.4 (%)	30.81 %
Appearance (P137297)	White to white with yellow cast powder	White to white with yellow cast powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1N NH4OH , Colorless to Faint Yellow,Clear,49.00 - 51.00mg/ml	pass	Pass
UV (Solvent 0.1M Phosphate Buffer PH 6)	Conforms	Conforms



John Su
QA & QC Manager