

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-04 13:48:37

Date of Next Testing: 2029-12-03 13:48:37

Product Name: **Xanthine**

CAS Number: 69-89-6

Specifications & Purity: Moligand™, ≥99.5%(HPLC)

Lot #: L2501085

SKU #: **X104265**

Version: **0**

Analysis #: **142520**

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

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	36.3-37.4 (%)	36.80000 %
Water by Karl Fischer	0-2 (%)	1.20000 %
Carbon by Elemental Analysis(anhydrous)	38.9-40.1 (%)	39.50000 %
EmM Anhydrous	8.7-9.4	9.10000
Purity(HPLC)	99.5-100 (%)	99.54300 %
Appearance (X104265)	White or light yellow powder	White or light yellow powder
Solubility,colorless to faint yellow,clear(50mg/ml,1M NaOH)	pass	Pass
Wave Length,277 - 278 nm	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager