

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-02-02 15:50:01  
Date of Next Testing: 2030-02-01 15:50:01  
Product Name: **Xanthine**  
CAS Number: 69-89-6  
Specifications & Purity: Moligand™, ≥99.5%(HPLC)  
Lot #: A2629705  
SKU #: **X104265**  
Version: **0**  
Analysis #: **647004**  
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	36.3-37.4 (%)	36.94 %
Water by Karl Fischer	0-2 (%)	0.25 %
Carbon by Elemental Analysis(anhydrous)	38.9-40.1 (%)	39.53 %
EmM Anhydrous	8.7-9.4	9.04
Purity(HPLC)	99.5-100 (%)	99.99900 %
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