

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-31 18:57:08
 Date of Next Testing: 2026-10-30 18:57:08
 Product Name: **Xanthine**
 CAS Number: 69-89-6
 Specifications & Purity: Moligand™, ≥99.5%(HPLC)
 Lot #: J2227722
 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 (%)	36.80 %
Water by Karl Fischer	0-2 (%)	1.20 %
Carbon by Elemental Analysis(anhydrous)	38.9-40.1 (%)	39.50 %
EmM Anhydrous	8.7-9.4	9.10
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