

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-19 14:57:33  
Date of Next Testing: 2028-11-18 14:57:33  
Product Name: **Xanthine**  
CAS Number: 69-89-6  
Specifications & Purity: Moligand™, ≥98%  
Lot #: K2518708  
SKU #: **X104264**  
Version: **1**  
Analysis #: **602472**  
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Loss on drying	0-1 (%)	0.50 %
Purity(HPLC)	98-100 (%)	99.60100 %
E 1%/1 cm, 278nm pH 10	599-612	600.00
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Sulfate Ash	0-0.2 (%)	0.10 %
Appearance (X104264)	White or light yellow powder	White or light yellow powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M NaOH , Faint Yellow to Light Green, Clear to Hazy, 50 mg/ml	pass	Pass



John Su  
QA & QC Manager