

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-18 17:11:55

Date of Next Testing: 2027-11-18 17:11:55

Product Name: **Xanthine**

CAS Number: 69-89-6

Specifications & Purity: Moligand™, ≥98%

Lot #: K2414164

SKU #: **X104264**

Version: **1**

Analysis #: **197290**

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 (%) | 99.85500 % |
| E 1%/1 cm, 278nm pH 10 | 599-612 | 610.00 |
| 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