

## Certificate of Analysis

Date of Testing: 2022-07-28 14:11:11  
Date of Next Testing: 2025-07-27 14:11:11  
Product Name: **Xanthine**  
CAS Number: 69-89-6  
Specifications & Purity: 98%  
Lot #: G2227408  
SKU #: **X104264**  
**Analysis:** **100255**  
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Loss on drying	0-1 (%)	0.53 %
Purity(HPLC)	98-100 (%)	99.11800 %
E 1 %/1 cm, 278nm pH 10	599-612	603.00
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