

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

## Certificate of Analysis

Date of Testing: 2024-07-11 14:44:46  
Date of Next Testing: 2026-07-01 14:44:46  
Product Name: **Methylglyoxal**  
CAS Number: 78-98-8  
Specifications & Purity: Moligand™, 40% solution  
Lot #: G2409562  
SKU #: **M109035**  
Version: **0**  
Analysis #: **363500**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Density (25°C)	1.155-1.19	1.17040
Refractive index n <sub>20</sub> /D	1.39-1.42	1.40320
Purity (Titration by Hydroxylamine)	35-45 (%)	39.18000 %
Appearance (M109035)	Yellow to dark brown liquid	Yellow to dark brown liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager