

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-08 11:39:36  
Date of Next Testing: 2027-10-07 11:39:36  
Product Name: **Formate**  
CAS Number: 64-18-6  
Specifications & Purity: Analytical Reagent,98%  
Lot #: I2327037  
SKU #: **F100377**  
**Analysis:** **269902**  
Storage Temperature: Room temperature,Argon charged

| Parameter                           | Limit Values                          | Result                                |
|-------------------------------------|---------------------------------------|---------------------------------------|
| Refractive index n <sub>20</sub> /D | 1.369-1.373                           | 1.37                                  |
| Purity (T)                          | 98-100 (%)                            | 99.70 %                               |
| Water by Karl Fischer               | 0-1 (%)                               | 0.23 %                                |
| Density (20°C)                      | 1.22-1.224                            | 1.22                                  |
| Appearance (F100377)                | Colorless to Very Faint Yellow Liquid | Colorless to Very Faint Yellow Liquid |
| Proton NMR spectrum                 | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager