

## Certificate of Analysis

Date of Testing: 2024-07-11 10:20:15  
Date of Next Testing: 2026-07-11 10:20:15  
Product Name: **Formate**  
CAS Number: 64-18-6  
Specifications & Purity: LC-MS,99%  
Lot #: G2409497  
SKU #: **F301957**  
Version: **1**  
Analysis #: **379818**  
Storage Temperature: Room temperature

| Parameter                  | Limit Values           | Result                 |
|----------------------------|------------------------|------------------------|
| Lead(Pb)                   | 0-0.2 (ppm)            | 0.10 ppm               |
| Sodium(Na)                 | 0-0.5 (ppm)            | 0.30 ppm               |
| Potassium(K)               | 0-0.5 (ppm)            | 0.30 ppm               |
| Iron(Fe)                   | 0-0.5 (ppm)            | 0.10 ppm               |
| Calcium(Ca)                | 0-0.5 (ppm)            | 0.30 ppm               |
| Aluminum(Al)               | 0-0.2 (ppm)            | 0.10 ppm               |
| UV Absorbance 320nm        | 0-0.01                 | 0.00                   |
| UV Absorbance 300nm        | 0-0.02                 | 0.01                   |
| UV Absorbance 280nm        | 0-0.05                 | 0.02                   |
| UV Absorbance 270nm        | 0-0.1                  | 0.04                   |
| UV Absorbance 260nm        | 0-1                    | 0.45                   |
| Water by Karl Fischer      | 0-1 (%)                | 0.50 %                 |
| Evaporation Residue        | 0-10 (ppm)             | 1.00 ppm               |
| Purity (Titration by NaOH) | 98.5-101.5 (%)         | 99.90 %                |
| Suitability For Lc Elution | pass test              | pass test              |
| Appearance(F301957)        | Colorless clear liquid | Colorless clear liquid |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager