

## Certificate of Analysis

Date of Testing: 2024-12-05 11:27:12  
 Date of Next Testing: 2026-12-05 11:27:12  
 Product Name: **3-Chloro-2,5-dimethylpyrazine**  
 CAS Number: 95-89-6  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: H1514005  
 SKU #: **C139492**  
 Version: **0**  
 Analysis #: **443466**

| Parameter                               | Limit Values              | Result                    |
|-----------------------------------------|---------------------------|---------------------------|
| Purity(GC)                              | 98-100 (%)                | 98.05 %                   |
| Purity(Titration by AgNO <sub>3</sub> ) | 97.5-102.5 (%)            | 97.91 %                   |
| Appearance (C139492)                    | colorless to brown liquid | colorless to brown liquid |
| Infrared spectrum                       | Conforms to Structure     | Conforms to Structure     |
| Proton NMR spectrum                     | Conforms to Structure     | Conforms to Structure     |



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QA & QC Manager