

## Certificate of Analysis

Date of Testing: 2023-01-17 13:21:54  
Date of Next Testing: 2025-01-06 13:21:54  
Product Name: **p-dimethylaminobenzaldehyde**  
CAS Number: 100-10-7  
Specifications & Purity: reagent grade  
Lot #: D2122207  
SKU #: **D109640**  
**Analysis: 179689**  
Storage Temperature: Argon charged

| Parameter  | Limit Values  | Result  |
|--|---|---|
| Purity(NonaqueousTitration)                                | 98-100 (%)  | 99.29%  |
| Purity(GC)   | 98-100 (%)  | 98.22%  |
| Melting point  | 72-76 (°C)  | 74.13000 °C   |
| Ignition Residue(Ash)                                      | 0-0.1 (%)   | 0.00%   |
| Appearance (D109640)                                       | White to Gray blue to Purple blue<br>Powder or flakes | White to Gray blue to Purple blue<br>Powder or flakes |
| Infrared spectrum  | Conforms to Structure                                 | Conforms to Structure                                 |
| Solubility in 10% HCl , Clear to slightly hazy,c = 50mg/ml | pass  | Pass  |
| Solubility in EtOH , clear to slightly hazy , c = 40mg/ml  | pass  | Pass  |



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QA & QC Manager