

## Certificate of Analysis

Date of Testing: 2023-06-26 19:04:59

Date of Next Testing: 2027-06-25 19:04:59

Product Name: **p-Dimethylaminobenzalrhodanine**

CAS Number: 536-17-4

Specifications & Purity: 98%

Lot #: F23161081

SKU #: **D109271**

**Analysis: 102672**

| Parameter                       | Limit Values                      | Result                            |
|---------------------------------|-----------------------------------|-----------------------------------|
| Purity(NonaqueousTitration)     | 97.5-102.5 (%)                    | 98.81 %                           |
| Purity(HPLC)                    | 98-100 (%)                        | 98.63700 %                        |
| Melting point                   | 285-288 (°C)                      | 286.50000 °C                      |
| Appearance (D109271)            | Faint Red to Very Dark Red Powder | Faint Red to Very Dark Red Powder |
| Infrared spectrum               | Conforms to Structure             | Conforms to Structure             |
| Proton NMR spectrum             | Conforms to Structure             | Conforms to Structure             |
| Suitability for Silver-analysis | pass                              | Pass                              |
| Absorption $\lambda_{\max}$     | 451 nm                            | 451 nm                            |



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