

## Certificate of Analysis

Date of Testing: 2025-02-15 09:01:56

Date of Next Testing: 2029-02-14 09:01:56

Product Name: **o-Dianisidine dihydrochloride**

CAS Number: 20325-40-0

Specifications & Purity: Biochemical, ≥98.5%

Lot #: B2510083

SKU #: **D111032**

Version: **1**

Analysis #: **078275**

Storage Temperature: Store at 2-8°C

| Parameter                                                                            | Limit Values                                  | Result                                        |
|--------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Nitrogen by Elemental Analysis (anhydrous)                                           | 8.3-9.3 (%)                                   | 8.88 %                                        |
| Cl(Titration by AgNO <sub>3</sub> )(Dry Basis)                                       | 21.1-23.5 (%)                                 | 22.41 %                                       |
| Carbon by Elemental Analysis(anhydrous)                                              | 50.1-55.7 (%)                                 | 53.16 %                                       |
| Loss on drying                                                                       | 0-1 (%)                                       | 0.14 %                                        |
| Purity(HPLC)                                                                         | 98.5-100 (%)                                  | 99.29370 %                                    |
| Appearance (D111032)                                                                 | White to Grey and Faint Beige to Beige Powder | White to Grey and Faint Beige to Beige Powder |
| Infrared spectrum                                                                    | Conforms to Structure                         | Conforms to Structure                         |
| Peroxidase detection test                                                            | pass test                                     | pass test                                     |
| Solubility in H <sub>2</sub> O , Colorless to Yellow to Pink, Clear to Hazy, 25mg/ml | pass                                          | Pass                                          |



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