

## Certificate of Analysis

Date of Testing: 2024-01-02 10:25:46

Date of Next Testing: 2027-01-01 10:25:46

Product Name: **L-Homocysteine thiolactone hydrochloride**

CAS Number: 31828-68-9

Specifications & Purity: 95%

Lot #: D2102240

SKU # **S169532**

**Analysis:** **309888**

Storage Temperature: Room temperature

| Parameter                                                       | Limit Values          | Result                |
|-----------------------------------------------------------------|-----------------------|-----------------------|
| Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O) | 19-23 (°)             | 19.00°                |
| Nitrogen by Elemental Analysis                                  | 8.8-9.4 (%)           | 8.81 %                |
| Carbon by Elemental Analysis                                    | 30.5-31.7 (%)         | 30.83 %               |
| Appearance (S169532Form)                                        | Powder and solid      | Powder and solid      |
| Appearance (S169532Color)                                       | White to Yellow       | White to Yellow       |
| Proton NMR spectrum                                             | Conforms to Structure | Conforms to Structure |



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