

## Certificate of Analysis

Date of Testing: 2024-05-15 11:29:59

Date of Next Testing: 2026-05-15 11:29:59

Product Name: **(S)-(-)-Styrene oxide**

CAS Number: 20780-54-5

Specifications & Purity: 98%

Lot #: G2219545

SKU #: **I137101**

**Analysis: 358137**

| Parameter                                         | Limit Values                                              | Result                                                    |
|---------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Purity(GC)                                        | 98-100 (%)                                                | 98.80 %                                                   |
| Specific Rotation<br>[α] <sub>20</sub> /D(c=Neat) | -35--31 (°)                                               | -33.80 °                                                  |
| Enantiometric Excess                              | 98-100 (%)                                                | 98.90 %                                                   |
| Appearance (I137101)                              | Colorless to Light yellow to Light orange<br>clear liquid | Colorless to Light yellow to Light orange<br>clear liquid |
| Infrared spectrum                                 | Conforms to Structure                                     | Conforms to Structure                                     |



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