

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-19 11:05:34

Date of Next Testing: 2029-03-18 11:05:34

Product Name: (S)-1-[3,5-Bis(trifluoromethyl)phenyl]-3-[1-(dimethylamino)-3-methylbutan-2-yl]thiourea

CAS Number: 1048692-50-7

Specifications & Purity:  $\geq 96\%$ ,  $\geq 99\%$ (ee)

Lot #: E23301123

SKU #: S281662

Version: 1

Analysis #: 670391

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter                                                          | Limit Values             | Result                   |
|--------------------------------------------------------------------|--------------------------|--------------------------|
| Purity(HPLC)                                                       | 96-100 (%)               | 99.19900 %               |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } \text{CHCl}_3)$ | -30.4--24.5 (°)          | -26.01580 °              |
| Enantiomeric Excess                                                | 99-100 (%)               | 99.19900 %               |
| Appearance(S281662)                                                | White to off-white solid | White to off-white solid |
| Proton NMR spectrum                                                | Conforms to structure    | Conforms to Structure    |



John Su  
QA & QC Manager