

## Certificate of Analysis

Date of Testing: 2024-11-09 10:54:15

Date of Next Testing: 2028-11-08 10:54:15

Product Name: **N-(2,4-Dinitrophenyl)-DL-threonine**

CAS Number: 14401-07-1

Specifications & Purity:  $\geq 97\%$

Lot #: K2404533

SKU #: **N159424**

Version: **1**

Analysis #: **414203**

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

| Parameter                                                   | Limit Values                                       | Result                                             |
|-------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(HPLC area)                                           | 97-100 (%)                                         | 100.00 %                                           |
| Melting point                                               | 150-158 (°C)                                       | 154.01000 °C                                       |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in Acetone})$ | -2~2 (°)                                           | -0.40 °                                            |
| Appearance(N159424)                                         | Light yellow to Yellow to Orange powder to crystal | Light Yellow to Yellow to Orange powder to crystal |
| NMR Spectrum 1H                                             | Conforms to Structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager