

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2026-06-08 15:22:02

Date of Next Testing: 2028-06-08 15:22:02

Product Name: **o-Toluoyl chloride**

CAS Number: 933-88-0

Specifications & Purity: 98%

Lot #: E2529112

SKU #: **S51948**

Version: **0**

Analysis #: **524353**

Storage Temperature: Room temperature, Argon charged

| Parameter                           | Limit Values                        | Result                              |
|-------------------------------------|-------------------------------------|-------------------------------------|
| Density (20°C)                      | 1.184-1.187                         | 1.18                                |
| Refractive index n <sub>20</sub> /D | 1.554-1.556                         | 1.56                                |
| Purity(GC)                          | 98-100 (%)                          | 98.94 %                             |
| Proton NMR spectrum                 | Conforms to Structure               | Conforms to Structure               |
| Appearance(S51948Form)              | Clear liquid                        | Clear liquid                        |
| Appearance(S51948Color)             | Pale yellow to yellow to light pink | Pale yellow to yellow to light pink |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

