

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-17 15:37:40
 Date of Next Testing: 2025-03-16 15:37:40
 Product Name: **o-Toluoyl chloride**
 CAS Number: 933-88-0
 Specifications & Purity: $\geq 98\%$
 Lot #: J2309025
 SKU #: **T107411**
 Version: **1**
 Analysis #: **196601**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.184-1.187	1.18500
Refractive index n _{20/D}	1.554-1.556	1.55510
Purity(GC)	98-100 (%)	98.87000 %
Appearance (T107411Form)	Clear liquid	Clear liquid
Appearance (T107411Color)	Pale yellow to yellow to light pink	Pale yellow to yellow to light pink
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager