

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-13 08:48:50

Date of Next Testing: 2027-01-13 08:48:50

Product Name: **o-Toluoyl chloride**

CAS Number: 933-88-0

Specifications & Purity: $\geq 98\%$

Lot #: F2109230

SKU #: **T107411**

Version: **1**

Analysis #: **457139**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.184-1.187	1.18
Refractive index n _{20/D}	1.554-1.556	1.56
Purity(GC)	98-100 (%)	98.94 %
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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager