

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-01 16:59:14
 Date of Next Testing: 2024-10-21 16:59:14
 Product Name: **m-Toluoyl chloride**
 CAS Number: 1711-06-4
 Specifications & Purity: $\geq 99\%$
 Lot #: J2229607
 SKU #: **T101293**
 Version: **0**
 Analysis #: **116041**
 Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.44400 %
Density (20°C)	1.171-1.174	1.17300
Refractive index n ₂₀ /D	1.548-1.55	1.54880
Appearance (T101293)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager