

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-06 10:40:39
 Date of Next Testing: 2028-12-05 10:40:39
 Product Name: **Methyl-p-toluenesulfonate**
 CAS Number: 80-48-8
 Specifications & Purity: CP, ≥96%
 Lot #: C2110186
 SKU #: **M105176**
 Version: **1**
 Analysis #: **444288**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Free chlorine(Cl ₂)	0-1 (%)	0.20000 %
Acidity	0-0.2	0.10000
Refractive index n _{20/D}	1.515-1.519	1.51800
Melting point	24-30 (°C)	24.90000 °C
Purity(GC)	96-100 (%)	99.60000 %
Water by Karl Fischer	0-0.5 (%)	0.16000 %
Appearance (M105176)	White to pale yellow solid (low melting point)	White to pale yellow solid (low melting point)
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager