

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-24 13:37:36  
Date of Next Testing: 2027-04-23 13:37:36  
Product Name: **Methyl-p-toluenesulfonate**  
CAS Number: 80-48-8  
Specifications & Purity: Analytical Reagent,98.0%  
Lot #: D2311624  
SKU #: **M105177**  
**Analysis:** **188520**  
Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Melting point	25-28 (°C)	27.36000 °C
Purity(GC)	98-100 (%)	99.74 %
Refractive index n <sub>20</sub> /D	1.515-1.519	1.52
Water by Karl Fischer	0-3 (%)	0.14 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (M105177)	white to yellow solid or liquid	white to yellow solid or liquid



John Su  
QA & QC Manager