

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-12 11:57:03

Date of Next Testing: 2028-07-11 11:57:03

Product Name: **4-Toluenesulfonic acid**

CAS Number: 104-15-4

Specifications & Purity:  $\geq 98\%$

Lot #: G2511349

SKU #: **T684184**

Version: **2**

Analysis #: **542681**

Storage Temperature: Room temperature

| Parameter                | Limit Values          | Result                |
|--------------------------|-----------------------|-----------------------|
| Purity(HPLC area)        | 98-100 (%)            | 98.39100 %            |
| Water by Karl Fischer    | 0-2 (%)               | 0.62370 %             |
| NMR Spectrum 1H          | Conforms to Structure | Conforms to Structure |
| LC-MS for identification | Conforms              | Conforms              |



John Su  
QA & QC Manager