

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-25 10:32:01

Date of Next Testing: 2026-05-24 10:32:01

Product Name: **Butyl p-Toluenesulfonate**

CAS Number: 778-28-9

Specifications & Purity: $\geq 97\%$ (GC)

Lot #: E2218094

SKU #: **B152404**

Version: **0**

Analysis #: **082610**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.502-1.505	1.50
Purity(GC)	97-100 (%)	98.59 %
Appearance (B152404)	colorless to yellow to brown liquid	colorless to yellow to brown liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager