

Certificate of Analysis

Date of Testing: 2023-05-06 14:27:04

Date of Next Testing: 2027-05-05 14:27:04

Product Name: **Butyl p-Toluenesulfonate**

CAS Number: 778-28-9

Specifications & Purity: >97.0%(GC)

Lot #: G1908168

SKU #: **B152404**

Analysis: **218406**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.502-1.505	1.50
Purity(GC)	97-100 (%)	97.86 %
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