

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-19 14:24:19

Date of Next Testing: 2027-08-18 14:24:19

Product Name: **1-(p-Toluenesulfonyl)pyrrole**

CAS Number: 17639-64-4

Specifications & Purity: >98.0%(GC)

Lot #: H2309648

SKU # **P160300**

Analysis: **196292**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.08 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (P160300)	White to Off-White to Yellow to grey Powder or Crystals	White to Off-White to Yellow to grey Powder or Crystals

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

John Su
QA & QC Manager