

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-04 11:17:00
Date of Next Testing: 2027-08-03 11:17:00
Product Name: **1-(p-Toluenesulfonyl)pyrrole-2-carboxaldehyde**
CAS Number: 102619-05-6
Specifications & Purity: 98%
Lot #: G2322987
SKU #: **P160302**
Analysis: **245231**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---------------------|--|--|
| Purity(HPLC area) | 98-100 (%) | 99.13% |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Appearance(P160302) | White to Yellow to Orange to Brown powder to crystal | White to Yellow to Orange to brown powder to crystal |



John Su
QA & QC Manager