

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-04 11:16:10  
Date of Next Testing: 2027-08-03 11:16:10  
Product Name: **1-(p-Toluenesulfonyl)pyrrole-2-carboxaldehyde**  
CAS Number: 102619-05-6  
Specifications & Purity: 98%  
Lot #: G2322990  
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