

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-01 10:17:33

Date of Next Testing: 2026-10-31 10:17:33

Product Name: **Pyrrole**

CAS Number: 109-97-7

Specifications & Purity: $\geq 99\%$

Lot #: J2226793

SKU #: **P104879**

Version: **3**

Analysis #: **143834**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.62200 %
Refractive index n ₂₀ /D	1.507-1.511	1.50960
Density (20°C)	0.967-0.973	0.96900
Appearance (P104879)	colorless to yellow to brown liquid	colorless to yellow to brown liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager