

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-22 16:50:42

Date of Next Testing: 2026-07-21 16:50:42

Product Name: **(S)-1-Benzyl-3-aminopyrrolidine**

CAS Number: 114715-38-7

Specifications & Purity: $\geq 99\%$

Lot #: G2220334

SKU #: **B121661**

Version: **1**

Analysis #: **104563**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	15.3-16.5 (%)	15.80000 %
Carbon by Elemental Analysis	72.3-77.6 (%)	73.40000 %
Purity(Nonaqueous Titration)	99-100 (%)	99.45000 %
Purity(GC)	99-100 (%)	99.71300 %
Density (20°C)	1.015-1.019	1.01700
Refractive index n _{20/D}	1.543-1.545	1.54430
Specific Rotation [α] _{20/D} (c=5 in H ₂ O)	9.3-9.7 (°)	9.52000 °
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance (B121661)	Colorless to tan liquid	Colorless to tan liquid



John Su
QA & QC Manager