

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-06 16:58:44  
 Date of Next Testing: 2026-12-05 16:58:44  
 Product Name: **(1R,2R)-(+)-1,2-Diphenylethylenediamine**  
 CAS Number: 35132-20-8  
 Specifications & Purity: 99%  
 Lot #: B1919058  
 SKU #: **R115655**  
**Analysis: 163686**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Enantiometric Excess	99-100 (%)	99.13%
Specific Rotation [α] <sub>20</sub> /D(c=1.1 in MeOH)	102-106 (°)	104.85°
Melting point	81-84 (°C)	83.88000 °C
Purity(HPLC)	99-100 (%)	99.46200%
Appearance (R115655)	White to yellow powder or crystals	White to yellow powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager