

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-17 16:02:36
Date of Next Testing: 2025-07-06 16:02:36
Product Name: (-)-(R)-N,N-Dimethyl-1-[(S)-1',2-bis(diphenylphosphino)
CAS Number: 74311-56-1
Specifications & Purity: 96%
Lot #: G2305515
SKU #: R115630
Analysis: 235120
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Optical purity(ee)	98-100 (%)	99.00%
Purity(HPLC area)	96-100 (%)	97.20%
Specific Rotation [α] ₂₀ /D(c=0.5 in CHCL ₃)	-360--330 (°)	-358.91°
Melting point	138-144 (°C)	139.26000 °C
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (R115630)	yellow powder or crystals	Light yellow to Brown powder to crystal



John Su
QA & QC Manager