

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-23 13:53:29
Date of Next Testing: 2026-04-23 13:53:29
Product Name: **Prostaglandin E1**
CAS Number: 745-65-3
Specifications & Purity: $\geq 98\%$ (HPLC)
Lot #: D2412243
SKU #: **P129960**
Analysis: **327592**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20}^D(c=0.2 \text{ in EtOH})$	-68--64 ($^{\circ}$)	-66.20 $^{\circ}$
Purity(HPLC)	98-100 (%)	99.24000 %
Carbon by Elemental Analysis	66.1-69.5 (%)	66.15 %
Water by Karl Fischer	0-1 (%)	0.73 %
Appearance (P129960)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in Acetone , Colorless to Faint Yellow, Clear, 50 mg/ml	pass	Pass



John Su
QA & QC Manager