

Certificate of Analysis

Date of Testing: 2023-05-19 13:13:08
Date of Next Testing: 2025-05-18 13:13:08
Product Name: **Prostaglandin E1**
CAS Number: 745-65-3
Specifications & Purity: $\geq 98\%$ (HPLC)
Lot #: E23121261
SKU #: **P129960**
Analysis: **185114**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.38100 %
Carbon by Elemental Analysis	66.1-69.5 (%)	67.60 %
Water by Karl Fischer	0-1 (%)	0.99 %
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in EtOH})$	$-68 \sim -64 (^{\circ})$	-67.84°
Appearance (P129960)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR 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