

## Certificate of Analysis

Date of Testing: 2023-05-19 13:17:26

Date of Next Testing: 2025-05-18 13:17:26

Product Name: **Prostaglandin E1**

CAS Number: 745-65-3

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: E23121259

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~-64 (°)	-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



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QA & QC Manager