

Certificate of Analysis

Date of Testing: 2023-07-31 14:31:15

Date of Next Testing: 2025-07-30 14:31:15

Product Name: **Prostaglandin E1**

CAS Number: 745-65-3

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

Lot #: G2326227

SKU #: **P129960**

Version: **1**

Analysis #: **245878**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.76700 %
Carbon by Elemental Analysis	66.1-69.5 (%)	67.92 %
Water by Karl Fischer	0-1 (%)	0.57 %
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in EtOH})$	-68--64 (°)	-64.01°
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