

## Certificate of Analysis

Date of Testing: 2023-07-31 14:29:25  
Date of Next Testing: 2025-07-30 14:29:25  
Product Name: **Prostaglandin E1**  
CAS Number: 745-65-3  
Specifications & Purity:  $\geq 98\%$ (HPLC)  
Lot #: G2326222  
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