

## Certificate of Analysis

Date of Testing: 2024-05-27 17:07:42  
Date of Next Testing: 2026-05-27 17:07:42  
Product Name: **Prostaglandin E1**  
CAS Number: 745-65-3  
Specifications & Purity:  $\geq 98\%$ (HPLC)  
Lot #: E2420328  
SKU #: **P129960**  
Version: **1**  
Analysis #: **327590**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.09000 %
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in EtOH})$	-68--64 (°)	-66.31 °
Carbon by Elemental Analysis	66.1-69.5 (%)	66.13 %
Water by Karl Fischer	0-1 (%)	0.95 %
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