

## Certificate of Analysis

Date of Testing: 2024-05-31 15:07:05  
 Date of Next Testing: 2026-05-31 15:07:05  
 Product Name: **Prostaglandin E1**  
 CAS Number: 745-65-3  
 Specifications & Purity:  $\geq 98\%$ (HPLC)  
 Lot #: E2429048  
 SKU #: **P129960**  
 Version: **1**  
 Analysis #: **245878**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , 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 $[\alpha]_{20/D}(c=0.2 \text{ in EtOH})$	$-68--64 (^{\circ})$	$-64.01^{\circ}$
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