

## Certificate of Analysis

Date of Testing: 2023-02-16 08:58:44  
Date of Next Testing: 2025-02-15 08:58:44  
Product Name: **Prostaglandin E1**  
CAS Number: 745-65-3  
Specifications & Purity:  $\geq 98\%$ (HPLC)  
Lot #: B2309486  
SKU #: **P129960**  
**Analysis: 188346**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.46000 %
Carbon by Elemental Analysis	66.1-69.5 (%)	68.59 %
Water by Karl Fischer	0-1 (%)	0.14 %
Specific Rotation $[\alpha]_{20/D}(c=0.2 \text{ in EtOH})$	$-68 \sim -64 (^{\circ})$	$-64.11^{\circ}$
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