

Certificate of Analysis

Date of Testing: 2023-02-16 09:47:46
Date of Next Testing: 2025-02-15 09:47:46
Product Name: **Prostaglandin E1**
CAS Number: 745-65-3
Specifications & Purity: $\geq 98\%$ (HPLC)
Lot #: B2309428
SKU #: **P129960**
Analysis: 188346
Storage Temperature: Store at -20°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° |
| 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 |



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QA & QC Manager