

## Certificate of Analysis

Date of Testing: 2023-11-15 16:48:58  
Date of Next Testing: 2026-11-14 16:48:58  
Product Name: **Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)**  
CAS Number: 155090-83-8  
Specifications & Purity: 1.1% in H<sub>2</sub>O, surfactant-free, high-conductivity grade  
Lot #: K2310355  
SKU #: **P475427**  
**Analysis: 291272**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
PH	1.5-2.5	1.92
Viscosity(20°C)	30-100(mPa.s)	60.00000 mPa·S
Surface Resistance(ohm/sq)(by addition of 5% DEG)	≤90	61.00000
Solid content(w/v)	1-1.2 (%)	1.10 %
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Appearance(P475427)	Dark Blue to Very Dark Blue Liquid	Dark Blue to Very Dark Blue Liquid



John Su  
QA & QC Manager