

## Certificate of Analysis

Date of Testing: 2023-12-22 13:45:07  
Date of Next Testing: 2026-12-21 13:45:07  
Product Name: **Polypyrrole**  
CAS Number: 30604-81-0  
Specifications & Purity: doped, conductivity 30S/cm (bulk), extent of labeling: 20wt. % loading, composite with carbon black  
Lot #: L2315528  
SKU #: **P476184**  
Analysis: **213166**

Parameter	Limit Values	Result
Water by Karl Fischer	0-1 (%)	0.90 %
PH	5.5-7.0	7.00
Conductivity Pressed Pellet Conductivity	200-300 (mS/cm)	280.00000 mS/cm
Appearance(P476184)	Black Powder Powder, Crystals or Crystalline Powder and/or Chunks	Black Powder Powder, Crystals or Crystalline Powder and/or Chunks



John Su  
QA & QC Manager