

## 1-MATERIAL INC

2290 Chemin St-Francois Dorval, Quebec H9P 1K2, Canada

## **CERTIFICATE OF ANALYSIS**

1M Material: PH0412, PQT-12, PQT12

Application: Laboratory Research Use ONLY

CAS No.: 827343-06-6

Chemical Name: Poly(3,3"'-didodecyl[2,2':5',2":5",2"'-quaterthiophene]-5,5"'-diyl)

Chemical Structure:

Lot number: YY21036CH

Appearance: Dark red powder

Molecular weight (GPC): Mw~30K, PDI ~2.5 (PS Standards)

Solubility: Soluble in CHCl<sub>3</sub> and other selected organic solvents

NMR analysis: Structure confirmed

Assay: 99+% (basing on NMR of monomers)

1-Material is dedicated to providing materials according to our customer's needs, and some materials we promote may be solely offered to certain customers for their specific needs in their research and development projects on a custom synthesis basis or on a contract research basis. All the material is offered as is, along with the information and technical advice—where verbal, in writing or by way of trials—are given in good faith and are believed to be accurate but without warranty since the conditions of use are beyond the control of 1-Material. This also applies where proprietary rights of third parties are involved. For the terms and conditions of our offers and services, please consult the disclaimer in our web: www.1-material