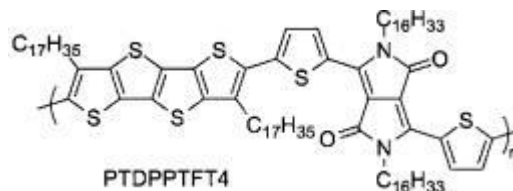


## CERTIFICATE OF ANALYSIS

Product: OS0171/PTDPPTFT4

Chemical Structure:



Lot number: YY8050

Appearance: Deep purple to black solid

Molecular weight (GPC): 50,000-90,000 (Mw)

PDI: 2.5-3.5

Solubility: Soluble in Chloroform, chlorobenzene and ODCB