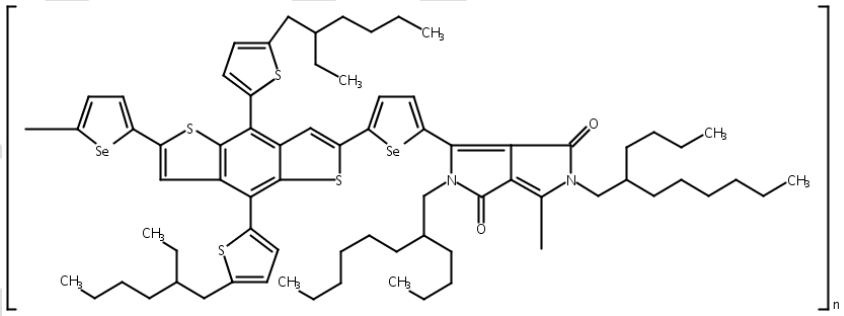
1-MATERIAL INC
2290 Chemin St-Francois
Dorval, Quebec
H9P 1K2, Canada

Organic Nano Electronic (ONE=1)Materials for These Who Understand Quality

# CERTIFICATE OF ANALYSIS

| | |
|---|---|
| Product: | OS0158, PBDTT-SeDOO, PBDTT-SeDPP, |
| CAS# | 1427210-15-8 |
| Chemical Name: | Poly[[2,5-bis(2-butyloctyl)-2,3,5,6-tetrahydro-3,6-dioxopyrrolo[3,4-*c*]pyrrole-1,4-diyl]-2,5-selenophenediyl[4,8-bis[5-(2-ethylhexyl)-2-thienyl]benzo[1,2-*b*:4,5-*b*']dithiophene-2,6-diyl]-2,5-selenophenediyl] |
| Chemical Structure: |  |
| Lot number: | YY8078CH |
| Appearance: | Dark shine purple solid |
| Molecular weight (GPC): | 40,000 (Mw, PS Standard) |
| PDI: | 2.5 |
| Solubility: | Soluble in $CHCl_3$,chlorobenzene (CB), dichlorobenzene(OBCB) |
| Purity: | 99 +% (basing on trace metals content) |