

CERTIFICATE OF ANALYSIS

Product: OS0905, RI- P(NDI2OD-T2); **RI-PNDI-2T**

Application: **Laboratory Research Use ONLY**

CAS # 1572504-90-5

Chemical Name: **radom polymer of**
4,9-dibromo-2,7-bis(2-octyldodecyl)-benzo[*lmn*][3,8] phenanthroline-1,3,6,8(2*H*,7*H*)-tetrone
and /or
4,10-dibromo-2,7-bis(2-octyldodecyl)benzo[*lmn*][3,8]phenanthroline -1,3,6,8(2*H*,7*H*)-tetrone,
with
1,1'-[2,2'-bithiophene]-5,5'-diylbis[1,1,1-trimethylstannane]

Lot number: **YY10108**

Appearance: Shine deep green-purple solid

Volatile moisture balance: < 1.0 %

Molecular weight (GPC): 80,000 (Mw, PS Standard), Polydispersity(PDI): 2.5

Solubility: Soluble in chloroform, chlorobenzene and dichlorobenzene

NMR analysis: Structure confirmed

Assay: 99.99+% (basing on trace metal content)