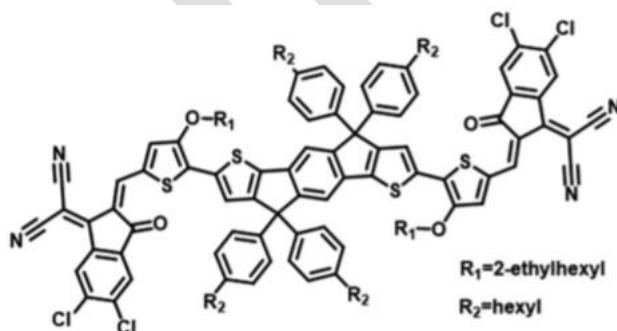


CERTIFICATE OF ANALYSIS

Product: IEICO-4Cl, IEICO-Cl
CAS #: 2240998-88-1
Chemical Name: 2,2'-((2Z,2'Z)-(((4,4,9,9-tetrakis(4-hexylphenyl)-4,9-dihydro-s-indaceno[1,2-b:5,6b']dithiophene-2,7-diyl)bis(4-((2-ethylhexyl)oxy)thiophene-5,2diyl)bis(methanylylidene)))bis(5,6-dichloro-3-oxo-2,3-dihydro-1H-indene-2,1diylidene))dimalononitrile



LOT: YY13052
Appearance: Shine brown solid
NMR: Confirmed
Assay: 99+ %
Solubility: Soluble in chloroform, chlorobenzene and dichloro-benzene.