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Derthon OPV Co LTD

CERTIFICATE OF ANALYSIS

Product Number: P1221

Product Name: PF8Cz

CAS Number:

Molecular Formula: (C₄₉H₆₃N)_n

Molecular Weight:

TEST RESULTS

BATCH NUMBE:

APPEARANCE: White ~ Grayish White Powder

BOILING POINT: No Data

MELTING POINT: No Data

GPC : Mw >50000

Absorption Spectrum/Energy Level Parameters:

Material	$\lambda_{abs, max}$ (nm)	$\lambda_{PL, max}$ (nm)	$E_{g, opt}$ (eV)	E_{ox} (eV)	E_{HOMO}^{CV} (eV)	E_{LUMO}^{CV} (eV)	E_{HOMO}^{UPS} (eV)	E_{LUMO}^{UPS} (eV)
TFB	390	436	2.86	0.97	-5.37	-2.51	-5.40	-2.54
PF8Cz	344	426	3.10	1.12	-5.52	-2.42	-5.40	-2.30

Caya
Signed

04/28/2025
Acceptance Date