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CERTIFICATE OF ANALYSIS

Catalog Number C017
Product Name 'Dil'; DiIC₁₈(3)
(1,1'-dioctadecyl-3,3,3',3'-tetramethylindocarbocyanine perchlorate)
CAS Number 41085-99-8
Molecular Formula C₅₉H₉₇ClN₂O₄
Molecular Weight 933.88
Appearance red/purple solid
Lot Number AB3201

	LOT DATA	SPECIFICATION
Absorption ¹ Maximum Extinction	549 nm 149,000 cm ⁻¹ M ⁻¹	549 ± 4 nm 142,000 ± 12,000 cm ⁻¹ M ⁻¹
Fluorescence ¹ Emission Maximum	565 nm	564 ± 4 nm
HPLC Purity	96 % at 550 nm	≥ 95 % at 550 nm
NMR Result	meets specification	consistent with structure

1. Solvent: Methanol.