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CERTIFICATE OF ANALYSIS

Catalog Number C003
Product Name Hoechst 33258, pentahydrate (bis-benzimide)
CAS Number 23491-45-4
Molecular Formula $C_{25}H_{37}Cl_3N_6O_6$
Molecular Weight 623.96
Appearance yellow solid
Lot Number

	LOT DATA	SPECIFICATION
Absorption ¹ Maximum Extinction	353 nm 44000 cm ⁻¹ M ⁻¹	352 ± 3 nm 47000 ± 4000 cm ⁻¹ M ⁻¹
Fluorescence ¹ Emission Maximum	460 nm	461 ± 4 nm
HPLC Purity	96 % at 254 nm	≥ 95 % at 254 nm
NMR Result	meets specification	consistent with structure

1. Solvent: 0.1 M HCl/Methanol.