

CERTIFICATE OF ANALYSIS

Product:	Xylene Cyanol FF, C.I. 42135
Catalog Number:	2650-17-1
Molecular Formula:	C₂₅H₂₇N₂O₆S₂Na
Molecular Weight:	538.61
Lot No.:	130320
Expiry Date:	10/2026
Storage:	Cool temperature, dry, tightly closed lined container

TESTS	Result	Unit
Appearance:	Green powder	Green powder
Identification (IR):	Conforms to structure	Conforms
Solubility:	Clear, dark blue solution	Passes test
Loss on drying at 105° C:	10% maximum	3.67%
Assay:	75% minimum	78.68%
Spectrophotometric Assay (Conc. 5.0mgs /Lt DI Water):	at 615nm + 3nm = 0.604	at 614nm = 0.617nm
Extinction Co-efficient:	E(615nm + 3nm) = 65,000min.	66464
Suitability:	Suitable as a tracking dye for DNA sequencing	Passes Test

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Quality Inspector