

Certificate of Analysis

Reference Material & Standard

Product Name:	Fluorescent Brightener Mix 9	Catalogue Number:	MWLT600898
Appearance:	Colourless Liquid	Lot Number:	0711-RG-0011
Solvent:	Acetonitrile/Water/DMF	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Apr 27, 2026		
Chemical Structure:	N/A		

NO.	Component	CAS No.	Certified Concentration Value (µg/mL)	Uncertainty (%)
1	Fluorescent Brightener 85	17958-73-5	100.3	5
2	Fluorescent Brightener 71	16090-02-1	100.6	5
3	Disodium 4,4'-Bis(2-sulfonatostyryl)biphenyl	27344-41-8	100.3	5
4	Fluorescent Brightener 113	12768-92-2	100.5	5
5	Fluorescent Brightener 220	16470-24-9	99.7	5
6	6-Methoxy-2-methyl-1H-benzo[de]isoquinoline-1,3(2H)-dione	3271-05-4	100.3	5
7	7-Diethylamino-4-methylcoumarin	91-44-1	100.0	5
8	1,2-Bis(5-methyl-2-benzoxazolyl)ethylene	1041-00-5	99.9	5
9	4,4'-(1,4-Phenylenebis(ethene-2,1-diyl))dibenzonitrile	13001-40-6	100.1	5

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

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Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 11, 2025

Date: Jul 11, 2025

Date: Jul 11, 2025

