



Performance Qualification

• Wavelength Accuracy of the DAD

• Instruments and Fluidics

<i>Instrument Name</i>	<i>Model</i>	<i>Supplier's Name</i>	<i>Serial Number</i>
Pump	G1312	Thermo Scientific	DE63055928
Autosampler	G1367	Thermo Scientific	DE64556796
Column Oven	Other	Thermo Scientific	not available
UV Detector	G1315	Thermo Scientific	DEAA202921
Chromeleon Datasystem	V. 6.80 SR16 Build 5387	Thermo Scientific	1904

<i>Accessories</i>	<i>Description</i>
Back Pressure Device	Capillary (L:15 m; ID:0,18 mm)
Sample 1	Pyrene in Methanol 3 µg/ml
Solvent A for Wavelength Accuracy	Methanol (HPLC-Grade)

Additional Information

Customer: Customer's Name
 Operator: Operator's Name
 Operator's Jobtitle

Execution Date: 2026-mars-13
 Next Qualification: 2026-sept.

• Limits, Values and Test Results

	<i>Limit</i>	<i>Obs. Value</i>	<i>Result</i>
Wavelength Accuracy at 272,1 nm	+/- 2,00 nm	0,34 nm	Test passed
Wavelength Accuracy at 333,3 nm	+/- 2,00 nm	0,87 nm	Test passed

• Signatures

	<i>Signature</i>	<i>Date</i>
Submitter / Operator:		
Reviewer:		
Approver (e-sig. only):		

• Data for the Wavelength Accuracy Test (DAD)

Testpoint	Observed Wavelength [nm]	Expected Wavelength [nm]	Abs.Critical Deviation[nm]	Calculated Deviation[nm]	Result
Pyrene Maximum 1	272,44	272,10	2,00	0,34	ok
Pyrene Maximum 2	334,17	333,30	2,00	0,87	ok

• Pyrene-Spectrum for the Wavelength Accuracy Test (DAD)

