



Performance Qualification

• Wavelength Accuracy of the DAD

• Instruments and Fluidics

Instrument Name	Model	Supplier's Name	Serial Number
Pump	ISO-3100SD	Thermo Scientific	8060011
Autosampler	WPS-3000TSL	Thermo Scientific	3600603
Column Oven	TCC-3000	Thermo Scientific	02240707
UV Detector	DAD-3000RS	Thermo Scientific	8043573
Chromeleon Datasystem	V. 6.80 SR16 Build 5387	Thermo Scientific	0

Accessories

Description

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: 2020-mars-30
 Next Qualification: 2020-sept

• Limits, Values and Test Results

	Limit	Obs. Value	Result
Wavelength Accuracy at 272,1 nm	+/- 1,00 nm	1,34 nm	Test failed
Wavelength Accuracy at 333,3 nm	+/- 1,00 nm	1,94 nm	Test failed

• Signatures

	Signature	Date
Submitter / Operator:	{seq.submitOperator.userName}	{seq.submitTime}
Reviewer:	{seq.reviewOperator.userName}	{seq.reviewTime}
Approver (e-sig. only):	{seq.approveOperator.userName}	{seq.approveTime}

• **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	273,44	272,10	1,00	1,34	not ok
Pyrene Maximum 2	335,24	333,30	1,00	1,94	not ok

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





