



Performance Qualification

• Wavelength Accuracy of the UV Detector (Single Mode)

• Instruments and Fluidics

<i>Instrument Name</i>	<i>Model</i>	<i>Supplier's Name</i>	<i>Serial Number</i>
Pump	G1311A	DIONEX	DE40926267
Autosampler	G1329A	DIONEX	DE03013070
Column Oven	Other	DIONEX	not available
UV Detector	G1314A	DIONEX	JP73704500
Chromeleon Datasystem	V. 6.80 SR15 Build 4656 (24320)	DIONEX	1904

Accessories

Name

Back Pressure Device	Capillary (L:15 m; ID:0,18 mm)
Sample 3	Caffeine in Water 60 µg/ml
Solvent A	Water (HPLC-Grade)

• Additional Information

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

Execution Date: juin-23-20
 Next Qualification: déc-20

• Limits, Values and Test Results

	<i>Limit</i>	<i>Obs. Value</i>	<i>Result</i>
Wavelength Accuracy at 272,5 nm	+/- 2,00 nm	0,81 nm	Test passed

 Reviewer's signature // Date

 Operator's signature // Date

• Data for the Wavelength Accuracy Test (UV-Detector)

<i>Testpoint</i>	<i>Calculated Wavelength [nm]</i>	<i>Expected Wavelength [nm]</i>	<i>Abs.Critical Deviation[nm]</i>	<i>Calculated Deviation[nm]</i>	<i>Result</i>
Caffeine Maximum	273,31	272,50	2,00	0,81	ok

Reviewer's signature // Date

Operator's signature // Date

Data for UV/VIS Wavelength accuracy

	<i>UV VIS 1</i>	<i>UV VIS 2</i>	<i>UV VIS 3</i>
Wavelength [nm]	270,00	272,00	274,00
Height [mAU]	543,50	558,35	560,35

Parabola Coefficients: -1,61
 877,89
 -119407,35

Computed Maximum: **273,31**

Data for UV/VIS Wavelength accuracy (Single Wavelength Mode)

<i>Name</i>	<i>Height mAU</i>	<i>Wavelength_A nm Caffeine</i>	<i>Wavelength nm Caffeine</i>
	<i>UV_VIS_1</i>	<i>UV_VIS_1</i>	<i>UV_VIS_1</i>
Detector wavelength acc	543,504	n.a.	270
Detector wavelength acc	558,350	n.a.	272
Detector wavelength acc	560,348	n.a.	274



