



DIONEX

Performance Qualification

• UV Detector Linearity

• Instruments and Fluidics

Instrument Name	Model	Supplier's Name	Serial Number
Pump	G1311A	DIONEX	DE40926267
Autosampler	G1329A	DIONEX	DE03013070
Column Oven	Other	DIONEX	not available
UV Detector	G1315A	DIONEX	DE91607201
Chromeleon Datasystem	V. 6.80 SR15 Build 4656 (243203)	DIONEX	1904

Accessories	Name
Back Pressure Device	Capillary (L:15 m; ID:0,18 mm)
Sample 2	Caffeine in Water 10 µg/ml
Sample 3	Caffeine in Water 60 µg/ml
Sample 4	Caffeine in Water 140 µg/ml
Sample 5	Caffeine in Water 220 µg/ml
Sample 6	Caffeine in Water 300 µg/ml
Solvent A	Water (HPLC-Grade)

• Additional Information

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

Execution Date: juin-24-20
 Next Qualification: déc-20

• Limits, Values and Test Results

	Limit	Observed Value	Result
Detector Linearity - Corr. (UV)	99,900 %	99,982 %	Test passed
Detector Linearity	5,000 % RSD	1,826 % RSD	Test passed

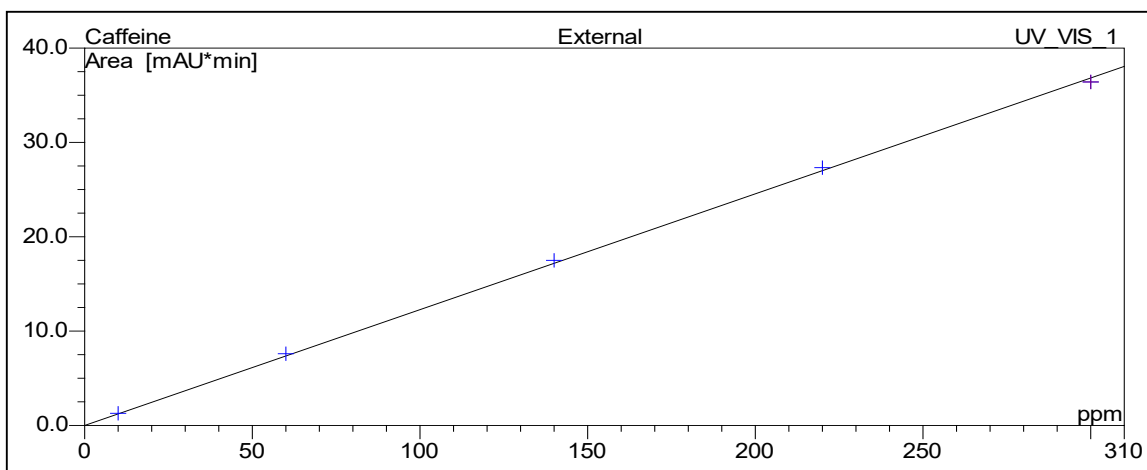
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• Data for Detector Linearity

Sample Name	Amount ppm Caffeine UV_VIS_1	Area mAU*min Caffeine UV_VIS_1
Detector linearity_1	10,0	1,287
Detector linearity_2	60,0	7,599
Detector linearity_3	140,0	17,497
Detector linearity_4	220,0	27,325
Detector linearity_5	300,0	36,406

• Calibration Curve



Cal.Type UV_VIS_1	Number of Points UV_VIS_1	Offset UV_VIS_1	Slope UV_VIS_1
Lin	5	0,000	0,123

	Correlation Coefficient	RSD
	99,982 %	1,826 %
Limit:	99,900 %	5,000 %
Result:	ok	ok

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