



Performance Qualification

• Precision of the Stand. Gradient

• Instruments and Fluidics

Instrument Name	Model	Supplier's Name	Serial Number
Pump	HPG-3400RS	Thermo Scientific	8125299
UV Detector	DAD-3000RS	Thermo Scientific	8043573
Chromeleon Datasystem	V. 6.80 SR16 Build 5387	Thermo Scientific	40640

Accessories	Description
Back Pressure Device	Capillary (L:15 m; ID:0,18 mm)
Solvent A	Water (HPLC-Grade)
Solvent B for Gradient	Water + 0.1% Acetone

• Additional Information

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

Execution Date: 2020-mars-24
 Next Qualification: 2020-sept

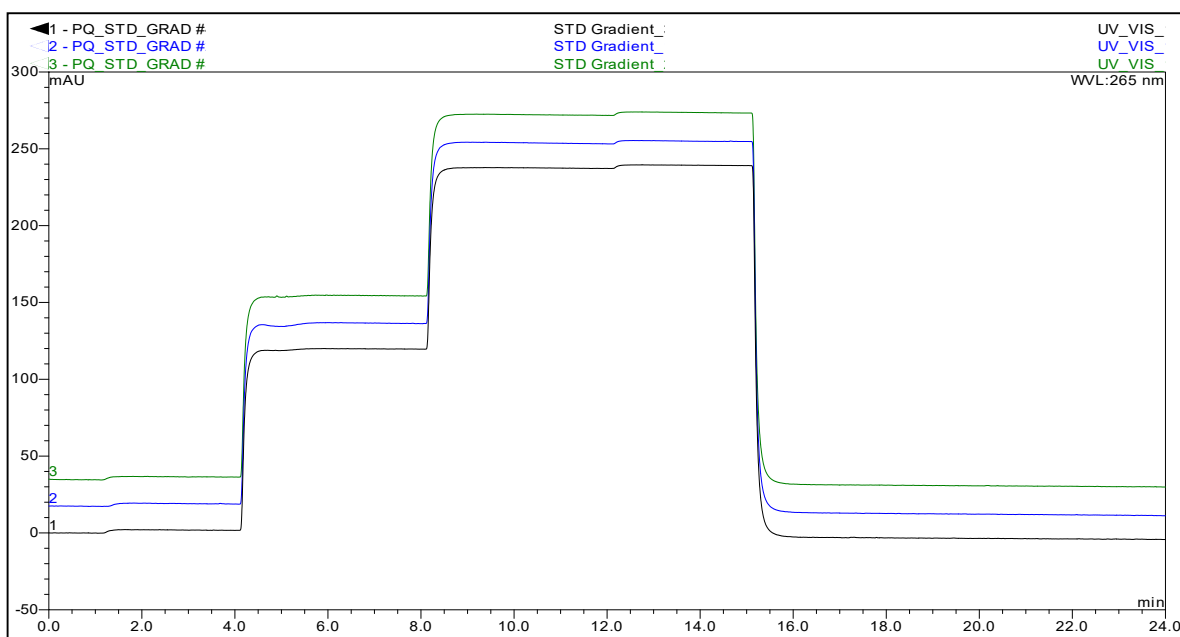
• Limits and Test Results

	Limit	Observed max. SD	Result of all Steps
Gradient Precision	<= 0,500 %	0,064 %	Test passed

• 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}

• Overlay of three Gradients



• Data of three Gradients

Expected Value [%]	Calculated Value Gradient_1 [%]	Calculated Value Gradient_2 [%]	Calculated Value Gradient_3 [%]	Critical SD [%]	Calculated SD [%]	Result
0,00	0,00	0,00	0,00	0,50	0,000	ok
1,00	0,97	0,98	0,96	0,50	0,010	ok
50,00	50,10	50,13	50,06	0,50	0,032	ok
99,00	99,05	99,13	99,00	0,50	0,064	ok
100,00	100,00	100,00	100,00	0,50	0,000	ok

Determination of Pump Unit for Dionex DGPs

Sequence name: PQ_STD_GRAD
 Right end of the sequence GRAD

Pump's model number: HPG-3400RS
Pump's model variant: HPG
Pump unit:

Determination Page Title

Gradient type: • Precision of the Stand. Gradient
Solvent C-D (if used)
Pump unit (DGPs only)
All: • Precision of the Stand. Gradient



