



## Performance Qualification

### • Precision of the Stand. Gradient

#### • Instruments and Fluidics

<i>Instrument Name</i>	<i>Model</i>	<i>Supplier's Name</i>	<i>Serial Number</i>
Pump	G1311	Thermo Scientific	DE91608906
UV Detector	G1315	Thermo Scientific	DE91608491
Chromleon 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)
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: 2026-mars-31  
 Next Qualification: 2026-sept.

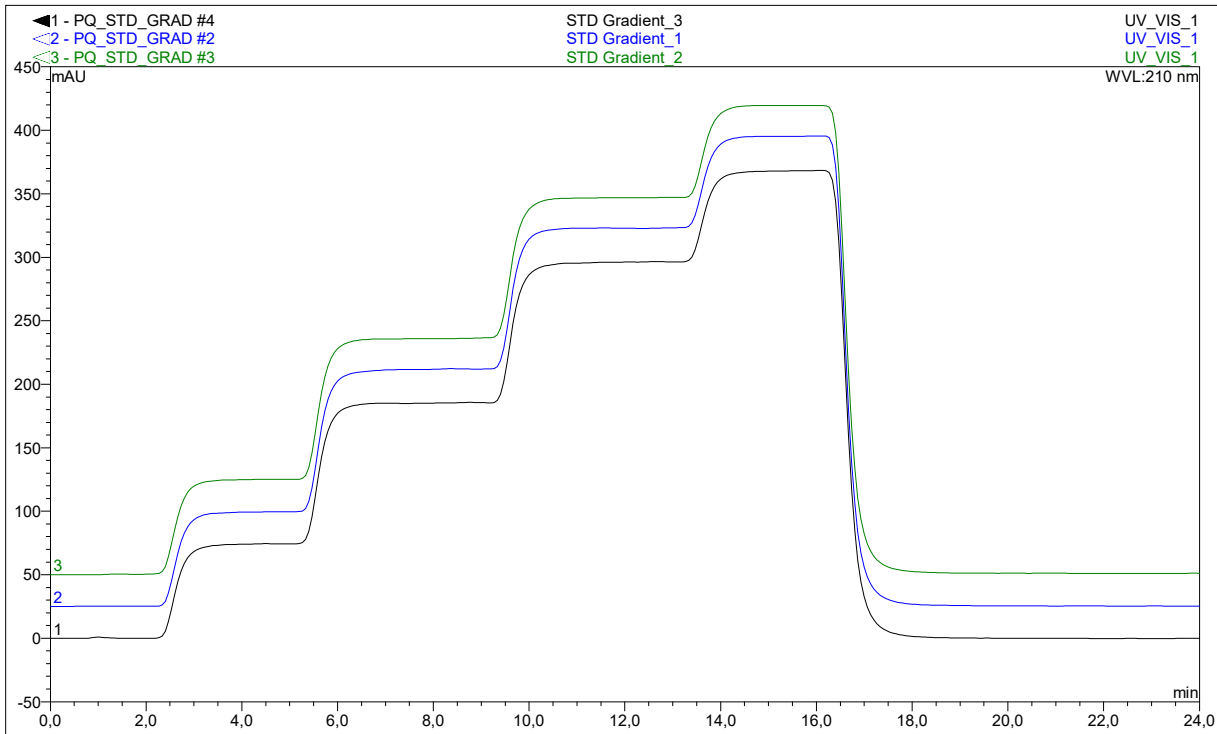
#### • Limits and Test Results

	<i>Limit</i>	<i>Observed max. SD</i>	<i>Result of all Steps</i>
Gradient Precision	<= 0,500 %	0,136 %	Test passed

#### • Signatures

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

• **Overlay of three Gradients**



• **Data of three Gradients**

<b>Expected Value [%]</b>	<b>Calculated Value Gradient_1 [%]</b>	<b>Calculated Value Gradient_2 [%]</b>	<b>Calculated Value Gradient_3 [%]</b>	<b>Critical SD [%]</b>	<b>Calculated SD [%]</b>	<b>Result</b>
0,00	0,00	0,00	0,00	0,50	0,000	ok
20,00	19,93	20,20	20,02	0,50	0,136	ok
50,00	50,40	50,32	50,33	0,50	0,046	ok
80,00	80,49	80,36	80,57	0,50	0,106	ok
100,00	100,00	100,00	100,00	0,50	0,000	ok