

Annexure-I

Calibration Information Sheet for Quaternary Pump VL

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Calibration Information Sheet for Quaternary Pump VL

Instrument Name:

Instrument ID No.:

Location	Frequency
Instrumental lab	Once in every six month

Measurement

Flow Rate	Measurements	Average	ST D	Accuracy	Accuracy Limit	Precision	Precision Limit	Result
0.500 ml/min					0.500 ml/min		≤ 0.50%	
5.000 ml/min					5.000 ml/min		≤ 0.50%	

Gradient Composition:

Set Parameters

Injection Volume	0.0 µl	Run Time	26.0 min
Flow Rate	2.0 ml/min	Column Temperature	40.0 °C
Wavelength	265 nm	Evaluated Compound	Acetone

Measurement

Step 1 : 20% Pump A and 80% Pump B

Start Time	Stop Time	Average Height	Noise	Drift	Composition	Delay Volume	Error	Composition Noise	Noise Limit	Composition Drift	Drift Limit	Result
									≤ 2.00		≤ 2.00	

Step 2 : 40% Pump A and 60% Pump B

Start Time	Stop Time	Average Height	Noise	Drift	Composition	Delay Volume	Error	Composition Noise	Noise Limit	Composition Drift	Drift Limit	Result
									≤ 2.00		≤ 2.00	

Step 3 : 60% Pump A and 40% Pump B

Start Time	Stop Time	Average Height	Noise	Drift	Composition	Delay Volume	Error	Composition Noise	Noise Limit	Composition Drift	Drift Limit	Result
									≤ 2.00		≤ 2.00	

Step 4 : 80% Pump A and 20% Pump B

Start Time	Stop Time	Average Height	Noise	Drift	Composition	Delay Volume	Error	Composition Noise	Noise Limit	Composition Drift	Drift Limit	Result
									≤ 2.00		≤ 2.00	

Gradient Linearity

Gradient Stage	Composition	Coefficient of Determination	Limit	Result
Start of Gradient	95%		≥ 0.99900	
50:50 Zone	75%			
End of Gradient	25%			

Calibration Date :	Next Calibration Date :
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Done By :	Checked By :
Name :	Name :
Designation :	Designation :
Date :	Date :

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