



Certificate of Calibration

Calibration of Liquid Flowmeter

Issued by V:KIT Ltd

Certificate No: 3818-LFM

Issue Date: 03-Aug-2022

V:KIT Ltd

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Customer: Kirantoni SRL
 Address: 132, Miron Costin 18 street
 Chisinau
 Republic of Moldova

Unit Under Test: HPLC Flowmeter
 Serial Number: 2016-103
 Manufacturer: V:KIT Ltd
 Model: VKIT-LFM

Date of Receipt: 01-Aug-2022
 Calibration performed by: Tom Gowans
 Calibration Date: 03-Aug-2022

Equipment Condition: Acceptable
 Calibration Points: 0.5, 1.0, 5.0 mL/min
 Expiry Date: 02-Aug-2024

Calibration Method

The Unit Under Test (UUT) was calibrated using V:KIT Quality Management System procedure 06.09.006. The reference equipment used are certified and traceable to recognised National Standards. The UUT was tested "As Found". If required the UUT was adjusted and re-tested to provide "As Left" calibration results.

Reference Equipment Used

Reference Equipment:	Identification:	Certificate ID:	Calibration Date:	Expiry Date:
Flow Reference Standard	Agilent G1311A s/n: DE64301213	3555-PFC	14-Mar-2022	13-Sep-2022

Calibration Results ("As Left")

Nominal Flow Rate:	0.500 mL/min	1.000 mL/min	5.000 mL/min
Actual Flow Rate:	0.4961 mL/min	0.9956 mL/min	4.9180 mL/min
Reading 1:	0.4962 mL/min	0.9951 mL/min	4.9179 mL/min
Reading 2:	0.4961 mL/min	0.9951 mL/min	4.9207 mL/min
Reading 3:	0.4961 mL/min	0.9948 mL/min	4.9179 mL/min
Reading 4:	0.4961 mL/min	0.9950 mL/min	4.9179 mL/min
Reading 5:	0.4963 mL/min	0.9951 mL/min	4.9193 mL/min
Reading 6:	0.4962 mL/min	0.9948 mL/min	4.9193 mL/min
Reading 7:	0.4961 mL/min	0.9950 mL/min	4.9179 mL/min
Reading 8:	0.4962 mL/min	0.9951 mL/min	4.9193 mL/min
Reading 9:	0.4961 mL/min	0.9950 mL/min	4.9179 mL/min
Reading 10:	0.4961 mL/min	0.9954 mL/min	4.9207 mL/min
Mean Flow Rate:	0.4962 mL/min	0.9950 mL/min	4.9189 mL/min
Flow Accuracy:	0.010 %	0.056 %	0.018 %
Flow Precision:	0.014 %	0.017 %	0.023 %
Uncertainty K=2:	0.383 %	0.197 %	0.100 %
Limits:			
Flow Accuracy:	≤ 1.000 %	≤ 1.000 %	≤ 1.000 %
Flow Precision:	≤ 0.500 %	≤ 0.500 %	≤ 0.500 %
Calibration Result:	PASS	PASS	PASS

Approved By: Tom Gowans
 Approval Date: 03-Aug-2022

