



Certificate of Calibration

Calibration of Liquid Flowmeter

Issued by V:KIT Ltd

Certificate No: 2741-LFM

Issue Date: 29-Jun-2020

V:KIT Ltd

16 John Bradshaw Court
Alexandria Way
Congleton,
Cheshire, CW12 1LB, UK
Tel: +44 (0) 1260 274266
www.v-kit.com - info@v-kit.com

Customer: Kirantoni SRL

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

Date of Receipt: 17-Jun-2020

Calibration performed by: Tom Gowans

Calibration Date: 26-Jun-2020

Unit Under Test: HPLC Flowmeter

Serial Number: 2016-103

Manufacturer: V:KIT Ltd

Model: VKIT-LFM

Equipment Condition: Acceptable

Calibration Points: 0.5, 1.0, 5.0 ml/min

Expiry Date: 25-Jun-2022

Calibration Method

The unit under test was calibrated against laboratory standards whose values are traceable to recognised National Standards using SOP Ref 06.09.006.

Test Equipment Used

Calibration Equipment:	Identification:	Certificate ID:	Calibration Date:	Expiry Date:
Flow Reference Standard	Agilent G1311A s/n: DE64301213	2388-PFC	11-Aug-2019	10-Aug-2020

Calibration Results (As Left)

Nominal Flow:	0.500 ml/min	1.000 ml/min	5.000 ml/min
Actual Flow Rate:	0.5006 ml/min	1.0048 ml/min	5.0120 ml/min
Reading 1:	0.4998 ml/min	1.0022 ml/min	5.0270 ml/min
Reading 2:	0.4996 ml/min	1.0023 ml/min	5.0270 ml/min
Reading 3:	0.4998 ml/min	1.0022 ml/min	5.0225 ml/min
Reading 4:	0.4998 ml/min	1.0022 ml/min	5.0240 ml/min
Reading 5:	0.4998 ml/min	1.0025 ml/min	5.0240 ml/min
Reading 6:	0.4999 ml/min	1.0025 ml/min	5.0240 ml/min
Reading 7:	0.4998 ml/min	1.0024 ml/min	5.0225 ml/min
Reading 8:	0.4997 ml/min	1.0023 ml/min	5.0225 ml/min
Reading 9:	0.4999 ml/min	1.0026 ml/min	5.0225 ml/min
Reading 10:	0.4999 ml/min	1.0022 ml/min	5.0255 ml/min
Mean Flow Rate:	0.4998 ml/min	1.0023 ml/min	5.0242 ml/min
Flow Accuracy:	0.160 %	0.249 %	0.243 %
Flow Precision:	0.019 %	0.015 %	0.036 %
Uncertainty K=2:	0.553 %	0.209 %	0.106 %

Acceptance criteria

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: 29-Jun-2020