

CALIBRATION CERTIFICATE

Service report no.: 5

AS FOUND

Certificate no.: TS_000005.1

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Customer:	Dandiat Baldershøj 19, DK-2635 Ishøj QA Tove Søgaard				
Department, if informed:					
Contact name:					
Pipette Name:	Sartorius Tacta SCM 0,5 - 10 µl				
Manufacturer/model/(internal)/vol. range					
Serial No.:	16006033	ID:	ID_214		
Calibration level:	10.3	Tip info:	Supplier: Dandiat Sartorius Optifit tips 10 µl		
Mode:	P	Speed In:	n/a	Speed Out:	n/a
Dandiat A/S procedure no.:	CAL-PIP-001		Ref.:	ISO 8655-7:2022 Annex A.2	

Specifications: Max. permissible errors ISO 8655-2:2022. Table 1

Volume	Systematic error ±	Random error ±	Systematic error ±	Random error ±
	%		µl	
1 µl	12,0	8,0	0,12	0,08
5 µl	2,4	1,6	0,12	0,08
10 µl	1,2	0,8	0,12	0,08

Calibration equipment:

Balance	ID_152
Readability	Resolution of the balance: 0,000001 g

Environmental conditions:

Barometric pressure	ID_101 (P1)	1033 hPa
Temperature, air	ID_99 (T2)	21,29 °C
Temperature, water	ID_95	21,01 °C
Humidity, air	ID_99 (H1)	55,1 %RH
Z-factor (calculated)	1,0031 µl/mg	

Calibration place: **Dandiat A/S, Baldershøj 19, DK-2635 Ishøj**Calibration date: **2025-01-17****Results:**

	Test volume [µl]		
Meas. No.	1	5	10
1	1,0212	5,0647	10,0892
2	1,0262	5,0606	10,0471
3	1,0372	5,0396	10,0842
4	1,0312	5,0687	10,0832
5	1,0212	5,0626	10,0531
6	1,0312	5,0566	10,1173
7	1,0171	5,0566	10,0812
8	1,0392	5,0727	10,0802
9	1,0312	5,0636	10,0771
10	1,0482	5,0667	10,1173
Meas. vol. (mean) [µl]	1,0300	5,0610	10,0830
Random error (SD) [µl]	0,009	0,009	0,023
Random error in CV%	0,920	0,180	0,225
Systematic error [µl]	0,030	0,061	0,083
Systematic error [%]	3,0	1,2	0,83
Pass/Fail	PASS	PASS	PASS

Tove Søgaard

Calibrated by: Tove Søgaard

Approved by

Remarks:Service: No
Adjustment: Yes