

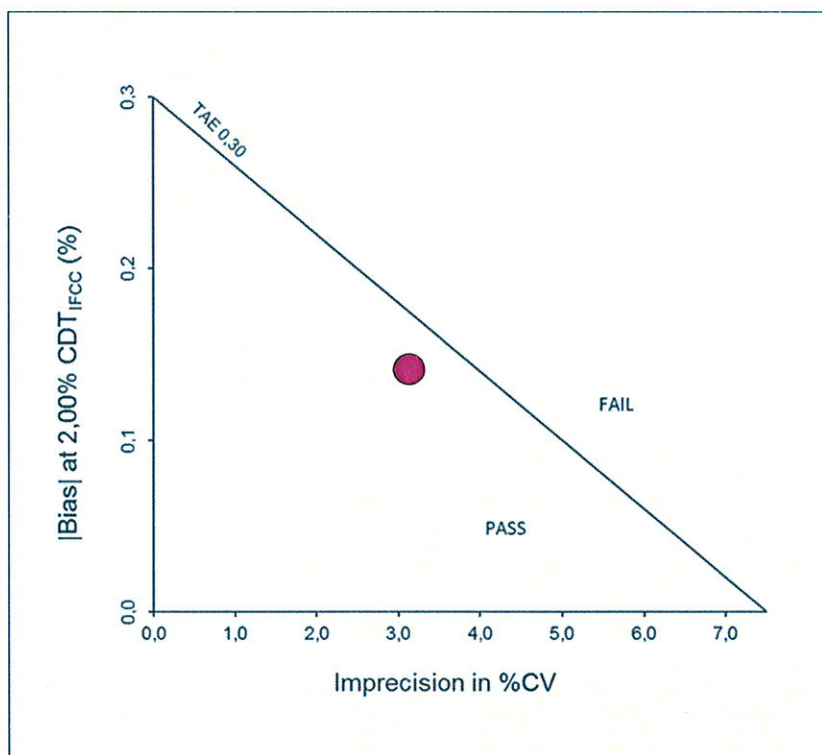
Certificate

Chromsystems Instruments Chemicals GmbH

using

Chromsystems_54330

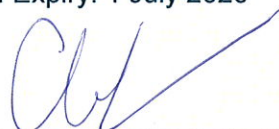
participated in the IFCC CDT Study to demonstrate traceability to the IFCC Reference Measurement Procedure and performed as shown below.



Total Error =	0.27 %
Bias =	-0.14 %
Imprecision =	3.2 %
Performance =	Pass

Date of Certification: 1 July 2019

Date of Expiry: 1 July 2020



IFCC CDT Network Coordinator
Dr. C.W. Weykamp



Summary Analytical Performance

Organisation : Chromsystems Instruments Chemicals GmbH

Instrument : Chromsystems_54330

Date of certification : 1 July 2019

Bias : at 1,5% CDT_{IFCC} -0.23 %

: at 2,0% CDT_{IFCC} -0.14 %

: at 2,5% CDT_{IFCC} -0.04 %

Imprecision : CV 3.2 %

Linearity : r 0.9983

Total Error : TE 0.27 %

Analytical Performance Individual Samples

Sample ID	Target	Your Result	Your Bias
Specimen 2019.01	1.74	1.49	-0.25
Specimen 2019.02	2.74	2.91	0.17
Specimen 2019.03	4.14	4.39	0.25
Specimen 2019.04	1.55	1.30	-0.25
Specimen 2019.05	2.59	2.50	-0.09
Specimen 2019.06	1.22	0.94	-0.28
Specimen 2019.07	1.17	0.89	-0.28
Specimen 2019.08	2.02	1.95	-0.07
Specimen 2019.09	3.67	3.83	0.16
Specimen 2019.10	3.09	3.10	0.01

* Only if applicable: Blunder, excluded from the calculations