

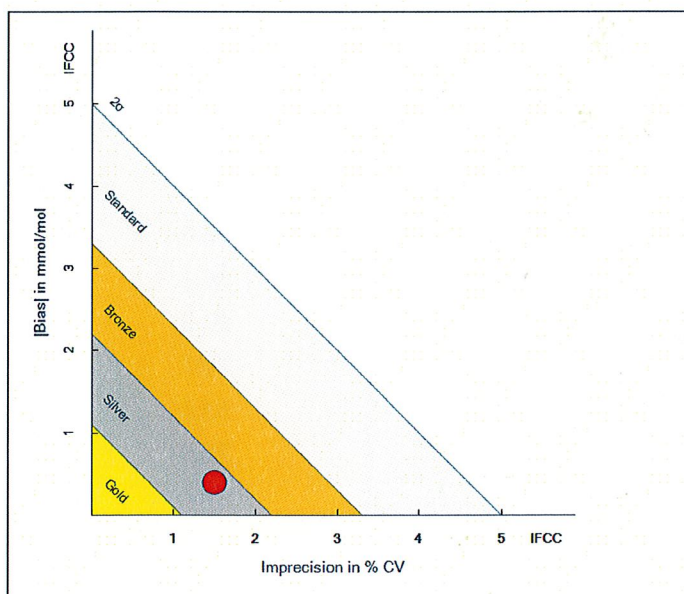
Certificate

EKF Diagnostic GmbH

using

Quo-Lab HbA1c

participated in the IFCC HbA1c Certification Programme to demonstrate traceability to the IFCC Reference Measurement Procedure and performed as shown below.

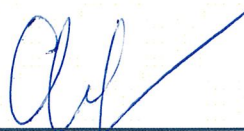


Total Error =	1.9	mmol/mol
Bias =	+0.4	mmol/mol
Imprecision =	1.5	%
Grade =	Silver	

Criteria derived from the IFCC model for Quality Targets HbA1c (Clin Chem 2015;61 : 752-59)

Date of Certification : 01 June 2019

Date of Expiry : 01 June 2020



IFCC Network Coordinator
Dr. C.W. Weykamp

Summary Analytical Performance

Organisation	EKF Diagnostic GmbH
Instrument	Quo-Lab HbA1c
Date Of Certification	01 June 2019

Bias	at 30 mmol/mol	0.8	mmol/mol
	at 50 mmol/mol	0.4	mmol/mol
	at 70 mmol/mol	-0.1	mmol/mol
Imprecision	CV	1.5	%
Linearity	r	0.9990	
Total Error	TE	1.9	mmol/mol

Analytical Performance Individual Samples

Sample ID	Target Value	Your Result	Your Bias
01	104.7	102.7	-2.0
02	62.0	61.5	-0.5
03	67.6	68.0	0.4
04	54.1	54.1	0.0
05	92.9	92.6	-0.3
06	56.3	55.5	-0.8
07	31.7	33.6	1.9
08	78.3	79.5	1.2
09	36.6	37.4	0.8
10	46.9	46.5	-0.4
11	51.9	51.1	-0.8
12	83.6	82.2	-1.4
13	44.0	44.5	0.5
14	46.9	47.0	0.1
15	98.7	98.6	-0.1
16	73.1	72.7	-0.4
17	49.4	50.6	1.2
18	41.3	42.6	1.3
19	59.1	60.7	1.6
20	51.9	51.4	-0.5
21	41.3	41.8	0.5
22	56.3	55.7	-0.6
23	73.1	72.4	-0.7
24	88.3	89.6	1.3

* Only if applicable: Blunder, excluded from the calculations