

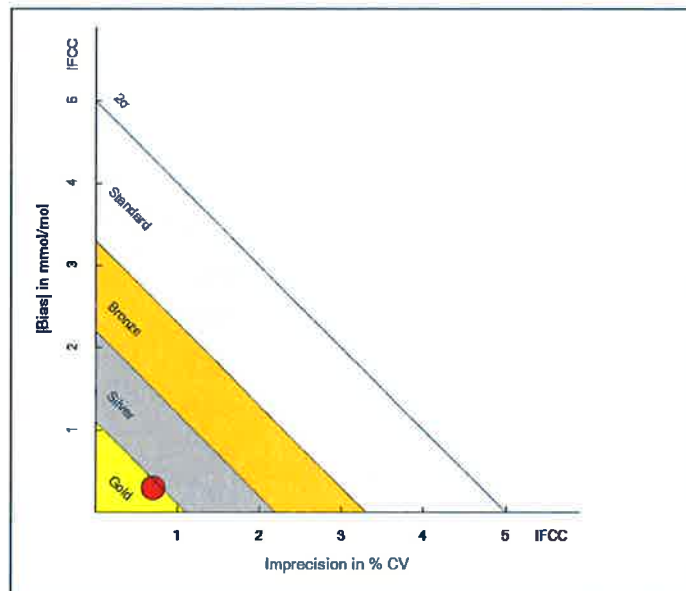
# Certificate

**Tosoh Corporation**

using

**HLC-723G8**

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



Total Error =	1.0	mmol/mol
Bias =	+0.3	mmol/mol
Imprecision =	0.7	%
Grade =	Gold	

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

Date of Certification : 01 January 2020

Date of Expiry : 01 January 2021

IFCC Network Coordinator  
Dr. C.W. Weykamp

## Summary Analytical Performance

**Organisation** Tosoh Corporation  
**Instrument** HLC-723G8  
**Date Of Certification** 01 January 2020

**Bias** at 30 mmol/mol 0.0 mmol/mol  
at 50 mmol/mol 0.3 mmol/mol  
at 70 mmol/mol 0.7 mmol/mol

**Imprecision** CV 0.7 %

**Linearity** r 0.9998

**Total Error** TE 1.0 mmol/mol

### Analytical Performance Individual Samples

Sample ID	Target Value	Your Result	Your Bias
01	48.0	48.7	0.7
02	45.8	46.0	0.2
03	43.1	43.2	0.1
04	101.7	103.7	2.0
05	55.5	56.0	0.5
06	71.2	72.3	1.1
07	50.3	51.0	0.7
08	81.4	82.7	1.3
09	35.8	35.7	-0.1
10	58.4	58.9	0.5
11	40.6	40.5	-0.1
12	71.2	71.9	0.7
13	55.5	56.1	0.6
14	96.3	97.5	1.2
15	61.3	61.1	-0.2
16	45.8	46.0	0.2
17	66.3	66.8	0.5
18	30.9	30.5	-0.4
19	86.3	86.7	0.4
20	50.3	51.2	0.9
21	52.9	53.7	0.8
22	76.3	77.1	0.8
23	40.6	40.8	0.2
24	91.1	91.2	0.1

\* Only if applicable: Blunder, excluded from the calculations