

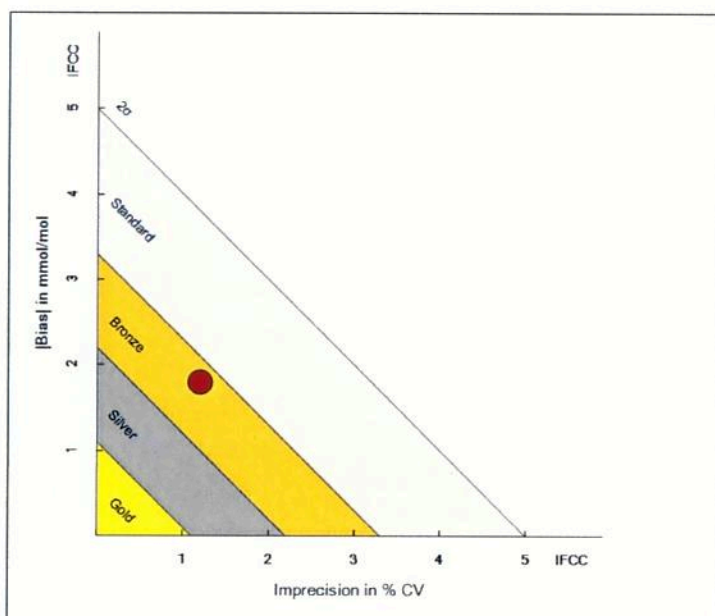
Certificate

biosurfit, S.A.

using

spinit® HbA1c test

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

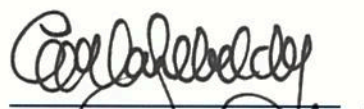


Total Error =	3.0	mmol/mol
Bias =	+1.8	mmol/mol
Imprecision =	1.2	%
Grade =	Bronze	

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

Date of Certification : 01 June 2023

Date of Expiry : 01 June 2024


 IFCC Network Coordinator
 C. Siebelder

Summary Analytical Performance

Organisation	biosurfit, S.A.
Instrument	spinit® HbA1c test
Date Of Certification	01 June 2023

Bias	at 30 mmol/mol	1.8	mmol/mol
	at 50 mmol/mol	1.8	mmol/mol
	at 70 mmol/mol	1.8	mmol/mol
Imprecision	CV	1.2	%
Linearity	r	0.9992	
Total Error	TE	3.0	mmol/mol

Analytical Performance Individual Samples

Sample ID	Target Value	Your Result	Your Bias
01	98.0	101.1	3.1
02	58.4	59.8	1.4
03	63.6	65.0	1.4
04	51.0	52.7	1.7
05	90.0	91.4	1.4
06	53.5	55.1	1.6
07	31.3	33.2	1.9
08	73.8	76.4	2.6
09	35.0	37.9	2.9
10	42.9	45.4	2.5
11	48.4	49.3	0.9
12	78.8	79.6	0.8
13	40.8	42.7	1.9
14	42.9	45.0	2.1
15	93.9		
16	68.5	69.6	1.1
17	45.5	47.4	1.9
18	38.7	40.1	1.4
19	56.0	56.7	0.7
20	78.8	81.6	2.8
21	58.4	61.2	2.8
22	53.5	55.2	1.7
23	68.5	69.2	0.7
24	84.4	86.3	1.9

* Only if applicable: Blunder, excluded from the calculations