

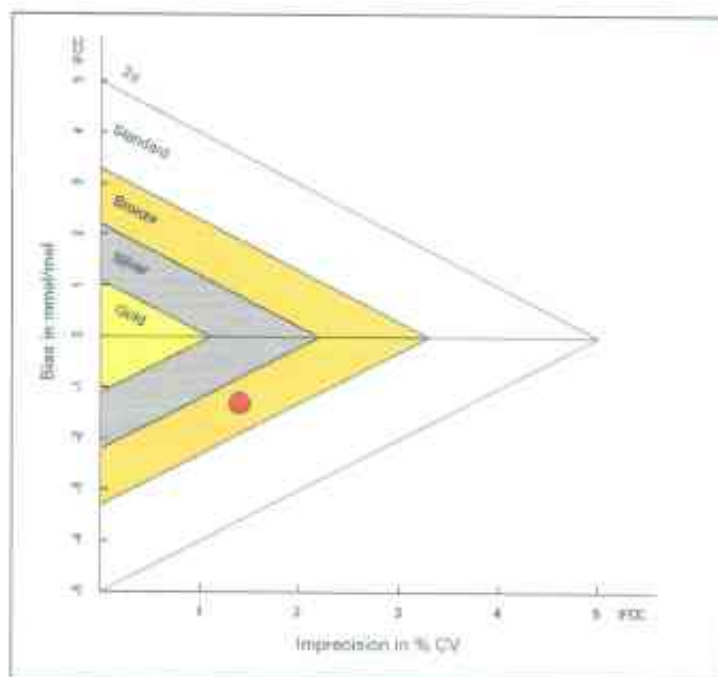
# Certificate

**Shenzhen Lifotronic Technology Co., Ltd**

using

**H9 Hemoglobin Analyzer(HPLC)**

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



|               |        |          |
|---------------|--------|----------|
| Total Error = | 2.7    | mmol/mol |
| Bias =        | -1.3   | mmol/mol |
| Imprecision = | 1.4    | %        |
| Grade =       | Bronze |          |

Criteria derived from the IFCC Model for Quality Targets HbA1c (C16) Chem 2015;61:752-59

Date of Certification : 01 January 2026

Date of Expiry : 01 January 2027

  
IFCC Network Coordinator  
C. Siebelder

## Summary Analytical Performance

|                       |                                         |
|-----------------------|-----------------------------------------|
| Organisation          | Shenzhen Lifotronic Technology Co., Ltd |
| Instrument            | H9 Hemoglobin Analyzer(HPLC)            |
| Date Of Certification | 01 January 2026                         |

|             |                |        |          |
|-------------|----------------|--------|----------|
| Bias        | at 30 mmol/mol | -0.5   | mmol/mol |
|             | at 50 mmol/mol | -1.3   | mmol/mol |
|             | at 70 mmol/mol | -2.1   | mmol/mol |
| Imprecision | CV             | 1.4    | %        |
| Linearity   | r              | 0.9991 |          |
| Total Error | TE             | 2.7    | mmol/mol |

### Analytical Performance Individual Samples

| Sample ID | Target Value | Your Result | Your Bias |
|-----------|--------------|-------------|-----------|
| 01        | 48.9         | 47.1        | -1.8      |
| 02        | 46.5         | 45.4        | -1.1      |
| 03        | 43.2         | 41.8        | -1.4      |
| 04        | 100.8        | 96.9        | -3.9      |
| 05        | 55.1         | 53.9        | -1.2      |
| 06        | 72.0         | 68.9        | -3.1      |
| 07        | 51.4         | 49.3        | -2.1      |
| 08        | 81.0         | 79.5        | -1.5      |
| 09        | 36.0         | 34.7        | -1.3      |
| 10        | 57.4         | 56.5        | -0.9      |
| 11        | 39.8         | 39.0        | -0.8      |
| 12        | 72.0         | 68.7        | -3.3      |
| 13        | 55.1         | 53.8        | -1.3      |
| 14        | 97.3         | 93.5        | -3.8      |
| 15        | 59.5         | 59.0        | -0.5      |
| 16        | 46.5         | 45.7        | -0.8      |
| 17        | 65.7         | 64.4        | -1.3      |
| 18        | 32.1         | 30.0        | -2.1      |
| 19        | 87.2         | 84.5        | -2.7      |
| 20        | 81.0         | 79.6        | -1.4      |
| 21        | 53.3         | 52.2        | -1.1      |
| 22        | 76.6         | 74.9        | -1.7      |
| 23        | 59.5         | 59.1        | -0.4      |
| 24        | 93.6         | 89.3        | -4.3      |

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