

CALIBRATION CERTIFICATE

Calibration of the **LIFOTRONICS-H9 (HPLC Analyzer)** has been carried out as per the recommendations of the principle company **SHENZHEN LIFOTRONIC TECHNOLOGY CO., LTD, China.**

Customer Name & Address: Redcliffe lab Ranchi Pvt Ltd Kantatoli chowk old hb road Ranchi 834001, Jharkhand.	Installation Date : 04.01.2023 Calibration Date : 03.07.2023 Calibration Due Date : 02.01.2024
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Serial No:	IA2B0000335 8
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Software Version Information:

System Version:	01.00.22-S
MCU1 Version:	01.00.02-H
MCU2 Version:	01.00.01-G

Monitoring Information:

Test Mode	HbA1c
HP Pressure pump stepping Value	115
Column Temp	34
H9 Temp	26.4
N.P.	66
ADC 415	25000
ADC 500	17871
ADC	6955

INSTRUMENT CALIBRATION DATAS :

Global Data:

System Parameters:

2D Arm Parameters:

X-axis	Value
Rack Routine (50-200mm)	117
ST Routine (50-200mm)	148

Z-axis	Value
Blood Tube Routine (10-250mm)	116
Diluted Tube Routine (10-250mm)	48
Diluting Cup Routine (10-250mm)	201
Press Cap Routine(10-100mm)	50

HardwareParameterSettings:

High Pressure Pump Stepping value	98
Distance from Rack Detectorto 1 st Tube (0-50mm)	3
Distance Between 2 Consecutive Tubes (150-250mm)	197

Operation Parameters :

TestMode	Hba1c
Reagent Version	A1
E/D/S/C Peak ABS Limit	51
Variant Ratio Limit	10

Elution Parameters:

Peaks	Start Time	EndTime
HbA1a	9	15
HbA1b	15	25
HbF	25	35
LA1C	35	45
HbA1C	45	65
P3	65	90

Variant Parameters:

Peaks	StartTime	EndTime
P4	90	110
HbA0	110	165
HbA2	165	220

HbE	220	238
HbD	238	254
HbS	254	290
HbC	290	330

Pressure Settings:

Parameters	Value
N.P.(%)	66
N.P.(s)	60
Pressure(Mpa)>	3
Pressure(Mpa)<	12
HP Pump(PPS)	115

Flowcell Adjustment:

Parameters	Value
DAC LED	2000
Gain 415	25241
Gain 500	18652

Reagent Setup:

Parameters	Value
Reagent Version	A1
Test Mode	96

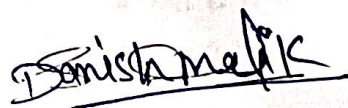
Matrix Labs. Representatives:

Danish Malik
Date: 03.07.2023

A. Performed By:

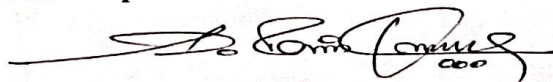
Instrument has been checked thoroughly and ensured the performance of the instrument and can be released for the routine operation.

B. Verified By:



Danish Malik
Area Manager - service and customer

Instrument has been verified & released for the routine operation.

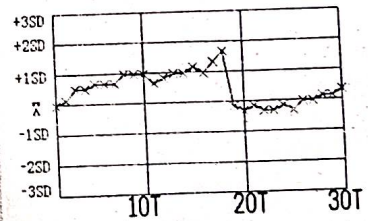


A.RAVIKUMAR
(G.M.- Engineering Services Signature & Name)

HT370788	0001	0.9	6.6
85851	0002	0.8	5.4
85852	0003	1.0	9.6

HIGH LEVEL LJ CURVE

TARGET : 9.6%
SD : 0.60



LOW LEVEL LJ CURVE

TARGET : 5.3%
SD : 0.30

