



CALIBRATION REPORT

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Details of the Under Calibration:

Calibration Certificate No: SBS/CL/20-21/00433

Customer Name	DIA CARE DIAGNOSTICS	Customer Address:	#2/751, VEPPANAPALLI, KRISHNAGIRI DT, TAMILNADU
Location:	BIO CHEMISTRY	Serial No:	40289
Description:	BIO CHEMISTRYANALYZER	Tag/Asset No:	NA
Make:	TULIP	Date of Calibration:	25.01.2021
Model:	EVOLUTION 3000	Date of Due:	24.01.2022

Traceability Details:

S.No	Standard Used	Make	Model	Serial No	Validity
1	Electrical Safety Analyzer	Fluke	ESA615	2244202	24.01.2022

Environmental Conditions and Standard Operating Procedure Details:

Temperature	24° C	Calibration Done at	ONSITE
Humidity (40-70% RH)	59%	Calibration Procedure No	CP-BM001-2019/ES

REMARKS:

The above mentioned instruments has been calibrated using standard manufacturer recommended protocols, using equipments having traceability to National/ International Standards. Partial reproduction of the certificates is not permitted.

Electrical Safety Test Passed : Yes / No

Electrical safety test		
Parameters Used	Measured in Test Gadget	Limits
Voltage N-E	2.3 V	< 3 V
Voltage P-E	220V	< 230 V
Voltage P-E	222 V	< 230 V
Maximum Current Taken by the DUT	0.1	As per Manufacture specification
Earth Leakage Current NC	121 μ A	< 500 μ A for B, BF, CF
Earth Leakage Current SFC	237 μ A	< 1000 μ A for B, BF, CF
Enclosure Leakage Current NC	5.1 μ A	< 100 μ A for B, BF, CF
Enclosure Leakage Current SFC	5.3 μ A	< 500 μ A for B, BF, CF
Insulation Resistance M-P.E	Good	More than 100 Mohm
Insulation Resistance M-A.P	Good	More than 100 Mohm
Insulation Resistance A.P-P.E	Good	More than 100 Mohm

CALIBRATION RESULT:

Corrective maintenance required

Removed from use

Acceptable for use

Calibration Engineer Sign





25th January 2021

CALIBRATION REPORT

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This is to certify that, 3000 Evolution Automated Analyzer bearing Serial No. #40289

Installed at DIACARE DIAGNOSTICS, VEPPANAPALLI is performing satisfactorily.

3000 Evolution is calibrated last on 25th January 2021 by our Service Engineer, Mr. M. BALAJI.

Optical System Check	Dark Current	Dark Current Range	Remarks
340 nm	72	<200	Dark current values are within range
405 nm	78		
450 nm	82		
510 nm	81		
546 nm	83		
578 nm	81		
630 nm	85		
670 nm	89		

Optical System Check	Background	Back ground Range	Remarks
340 nm	52000	48000 to 62000	Back ground values are within range
405 nm	53500		
450 nm	54200		
510 nm	56500		
546 nm	55300		
578 nm	54100		
630 nm	51200		
670 nm	54100		



Software Communication	Status	Remarks
Operation Software Initialization Check	Normal	Nil
Communication between PC and Analyzer	Normal	Nil
Shutdown Check	Normal	Nil

Robotic Check	Status	Remarks
Sample/Reagent Probe Check	Normal	Nil
Sample/Reagent Syringe Check	Normal	Nil
Mixer Unit Check	Normal	Nil
Interior Washing Probe	Normal	Nil
Exterior Washing Probe	Normal	Nil
Exterior Washing Mixer	Normal	Nil
Reagent Unit	Normal	Nil
Reaction Unit	Normal	Nil
Reagent Preheater	Normal	Nil
Dust Filters	Cleaned	Nil

Fluidic Check	Status	Remarks
Interior Washing Probe	Normal	Nil
Exterior Washing Probe	Normal	Nil
Exterior Washing Mixer	Normal	Nil
Liquid Level Detection	Normal	Nil
Distilled Water filter	OK	Nil

Next Calibration Due on 24th January 2022

Calibrated by:



M. BALAJI

(Calibration Engineer)

Authorized Signatory:



C. SHANMUGARAJ

(Technical Manager)

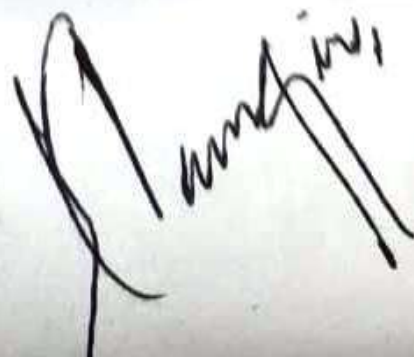
3000 Evolution

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001 - GLUCOS

Linear limit	70
High limit	120
Low limit	70

Sample asp.	450
Rea2 volume	0
Real volume	1000
sample volume	10
Blank save	YES
Repeat Blank	NO
Temperature (C)	37
Decimal point	0
Units	mg/dL
Bichr. filter (nm)	---
Read filter (nm)	505
Delay (sec)	2
Standard	100
Standard	YES
Method	EP



3000 Evolution

001-GLUCOS	002-CHOL
003-TGL	004-URACI
005-CREAT	006-UREA
007-TBIL	008-D BIL
009-ALP	010-ERY
011-SGOT	012-SGPT
013-ALBUM	014-PROTE
015-HCT	016-HGB
017-CRP	018- RF
019-ASO	020-NA
021-K	022-CALCI
023-MAG	024-Na
025-P	026-TBIL
027-TPROT	028-TRIGL
029-UREA	030-URIC
031-OPEN	032-OPEN
033-OPEN	034-OPEN
035-OPEN	036-OPEN
037-OPEN	038-OPEN
039-OPEN	040-OPEN
041-OPEN	042-OPEN
043-OPEN	044-OPEN
045-OPEN	046-OPEN
047-OPEN	048-OPEN
049-OPEN	050-OPEN
051-OPEN	052-OPEN
053-OPEN	054-OPEN
055-OPEN	056-OPEN
057-OPEN	058-OPEN
059-OPEN	060-OPEN
061-OPEN	062-OPEN
063-OPEN	064-OPEN
065-HBALC	066-OPEN
067-OPEN	068-OPEN
069-OPEN	070-OPEN
071-OPEN	072-OPEN
073-OPEN	074-OPEN
075-OPEN	076-OPEN
077-OPEN	078-OPEN
079-OPEN	080-OPEN
081-OPEN	082-OPEN
083-OPEN	084-OPEN
085-OPEN	086-OPEN
087-OPEN	088-OPEN
089-VASP	090-VKIN
091-OPEN	092-OPEN
093-OPEN	094-OPEN
095-OPEN	096-OPEN
097-OPEN	098-OPEN
099-OPEN	100-A340
101-A405	102-A492
103-A505	104-A546
105-A578	106-A630
107-A---	108-L340
109-MSD3	110-OPEN
111-OPEN	112-OPEN
113-OPEN	114-OPEN
115-OPEN	116-OPEN
117-OPEN	118-OPEN
119-kinN	120-OPEN