

No.9,5th floor,Gokul Tower, 9 & 10,CP Ramaswamy Road, Alwarpet,Chennai-600018 Tel:+91-44-24993989

Email:sales@cpcdiagnostics.in CIN:U52599TN1991PTC021095

CALIBRATION CERTIFICATE

INSTRUMENT NAME : TURBOCHEM PRIME

SERIAL NO : 20665 SOFTWARE VERSION : V1.0.9

INSTALLED AT : WELL CARE PATH LAB

INSTALLED ON : 27/09/2022 DATE OF CALIBRATION : 21/09/2024 NEXT CALIBRATION DUE : 20/09/2025

MECHANISM MOVEMENT CHECK	REMARK
MIECHANISM MOVEMENT CHECK	KEMAKK

SAMPLE/REAGENT TRAY

☐ SAMPLE/REAGENT TRAY ROTATIONS	OK
□ REAGENT COOLING	OK

REACTION CUVETTE UNIT

□ CUVETTE CONDITION	GOOD
□ CUVETTE ROTATION	GOOD
□ LAMP	GOOD
□ DRY BATH TEMPERATURE	OK
□ CUVETTE WASHING	GOOD
□ CUVETTE OVERFLOW	NOT HAPPENING

PROBE MECHANISM

☐ WASH POT ALIGNMENT	OK
☐ REAGENT ASPIRATION POSITION (INNER)	OK
☐ REAGENT ASPIRATION POSITION (OUTER)	OK
☐ SAMPLE ASPIRATION POSITION(INNER)	OK
☐ SAMPLE ASPIRATION POSITION(MIDDLE)	OK
☐ SAMPLE ASPIRATION POSITION(OUTER)	OK
☐ CUVETTE DISPENSE POSITION	OK
□ PROBE WASHING	OK
☐ PROBE LIQUID LEVEL DETECTION	OK

MIXER MECHANISM

□ WASH POT ALIGNMENT		OK
□ MIXER WASHING		OK
☐ MIXER ROTATION		OK
□ CUVETTE VS MIXER	OK	

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WATER AND DETERGENT TANK

□ WATER LEVEL SENSORS
 □ DETERGENT LEVEL SENSORS
 □ WATER HEATER
 □ LEAK IN WATER LINE
 OK
 NOT HAPPENING

PHOTOELECTRIC STABILITY

Photoelectric stability gain should be in between 20000 to 60000

FILTER(NM)	GAIN
340	47243
405	47663
450	47013
510	46442
546	48491
578	47628
630	48790
670	48908

WE HERE BY CONFIRM **TURBOCHEM PRIME** HAS PASSED ALL THE ABOVE QUALITY CHECKS AND WORKING IN GOOD CONDITIONS.

KINDLY FIND ATTACHMENT OF PRECISION DATA FROM TURBOCHEM PRIME

For CPC DIAGNOSTICS PVT LTD.,

Authorised Signatory.



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CUSTOMER AND INSTRUMENT DETAILS

: TURBOCHEM PRIME MODEL NO

: 20665 SERIAL NO

CPC DIAGNOSTICS PVT. LTD, CHENNAI DISTRIBUTOR

: WELL CARE PATH LAB. **CUSTOMER NAME**

ENGINEER (FOR CPC DIAGNOSTICS PVT. LTD.)

SIGNATURE

For CPC DIAGNOSTICS PVT LTD.,

B. Wall

Authorised Signatory.

MR. MAGESHWARAN NAME

SENIOR TECHNICAL MANAGER DESIGNATION

CPC DIAGNOSTICS PVT. LTD. **COMPANY**

CUSTOMER (FOR WELL CARE PATH LAB)

SIGNATURE

NAME

DESIGNATION

For Wellcare Path Lab

Authorized Signatory

CORPORATE OFFICE

No.70/6,Old No.108/6,4th floor, Westminister, Dr. Radhakrishnan Salai, Mylapore, Chennai-600004. Phone No:044-23460168/169



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INSTALLATION QUALIFICATION

ENVIRONMENTAL REQUIREMENT

Installation Environment Conditions

- * Place should not be subjected to direct sunlight
- * Place should be flat and minimum of dust.

Power And Noise Conditions

- * The power supply for the instrument should be nearer to the instrument (less than 10m)
- * The switchboard connector should be 15A type connector.
- * The power supply should be from a 2KVA on line UPS

Temperature And Humidity Conditions

- * The temperature of the analyzer room should be between 18 27°C
- * The temperature fluctuation during the analysis should be \pm 2°C

Water Supply And Drainage Conditions

- * Inner diameter of the drainage hose should be greater than 48mm
- * The purity of the DI water must under a conductivity of =< lus/cm.
- * The height of the drainage system should be below the lower level of the analyzer.

Dimensions Of System Main Units (Unit: mm)

* Analyzer Length 1200mm x Width800mm x Height 800mm

Power Supply

* Voltage 230/50 Hz (India)

THIS IS TO CERTIFY THAT THE INSTALLATION SPACE IS MEETING ALL THE ABOVE MENTIONED REQUIREMENT FOR OPERATING THE TURBOCHEMPRIME FULLY AUTOMATED BIOCHEMISTRY ANALYZER IN THE CUSTOMER PLACE.

VERIFIED BY: MR.MAGESHWARAN

REVIEWED BY:

(FOR WELL CARE PATH LAB)

For CPC DIAGNOSTICS PVT LTD.,

Authorised Signatory

For Wellcare Path Lab

Authorized Signatory

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Email:sales@epcdiagnostics.in CIN:U52599TN1991PTC021095

SIGNATURE:

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ANALYSER PC QUALIFICATION

COM PORTS AVAILABLE

:YES

ONLINE POSSIBLE

:YES

PROCESSOR SPEED

:3.30GHz

STORAGE CAPACITY

:500Gb

COMMUNICATION PORT

: SERIAL

MONITOR

:17"

MAKER

:LENOVO

OPERATING SYSTEM

:WINDOWS 10 PRO

SOFTWARE CD

:AVAILABLE

PRINTER PORT

:AVAILABLE

PRINTER

:PARALLEL

MAKER

: SAMSUNG

MODEL

: LASER

This is to verify that the specifications are mentioned above is suitable for TURBOCHEMPRIME host computer.

VERIFIED BY: MR.MAGESHWARAN

REVIEWED BY:

(FOR WELL CARE PATH LAB)

For CPC DIAGNOSTICS PVT LTD.,

For Wellcare Path Lab

B-who Authorised Signatory.

Authorized Signatory

SIGNATURE:

SIGNATURE:

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REGISTERED OFFICE No.9,5th floor,Gokul Tower, 9 & 10,CP Ramaswamy Road, Alwarpet, Chennai-600018 Tel:+91-44-24993989 Email:sales@cpcdiagnostics.in

CIN:U52599TN1991PTC021095

SYSTEM ENVIRONMENT CONDITIONS

REMARKS

230/50 Hz AS PER REQUIREMENTS POWER SUPPLY

AVAILABLE UPS

AS PER REQUIREMENTS CURRENT

AS PER REQUIREMENTS OR DIRECT DRAINAGE WITHIN 5 M

WATER (REQUIREMENTS)

AS PER REQUIREMENTS CONDUCTIVITY AS PER REQUIREMENTS RESISTIVITY

AVAILABLE BACTERIA FILTER AVAILABLE

DEIONIZER AS PER REQUIREMENTS ANALYSER SPACE AVAILABILITY

AVAILABLE DETERGENT

VERIFIED BY: MR.MAGESHWARAN

REVIEWED BY:

(FOR WELL CARE PATH LAB)

For Wellcare Path Lab

Authorized Signatory

SIGNATURE:

For CPC DIAGNOSTICS PVT LTD.,

B. My

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PERFORMANCE QUALIFICATION

INTRODUCTION

This module is giving the idea about the performance of the instrument as per the performance test.

PHOTOELECTRIC STABILITY

This is the test for checking the cuvette condition and the photometer sensitivity, and lamp condition.

THE RESULTS OF THE TEST AS PER THE MANUFACTURES SPECIFICATION AS GIVEN BELOW

REMARKS

The result of photoelectric stability values should be with in 20000-60000

OK

VERIFIED BY: MR.MAGESHWARAN

FOR CPC DIAGNOSTICS PVT LTD.,

REVIEWED BY: (FOR WELL CARE PATH LAB)

For Wellcare Path Lab

Authorized Signatory

SIGNATURE:

SIGNATURE:

B-Mayor

Authorised Signatory

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INTRODUCTION

SIGNATURE:

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TURBOCHEMPRIME QUALITY CONTROL (PRECISION) CHECK LIST

This module is highlighting the reproducibility and pippetting accuracy of the system. Measuring criteria One end point chemistry ☐ One kinetic chemistry Large sample chemistry ☐ Small sample chemistry Only reagent 1 chemistry ■ Both R1 and R2 chemistry ☐ Small volume of R2 chemistry DETAILS OF REAGENTS, CALIBRATORS AND CONTROLS REAGENTS : Turbochem prime **CALIBRATOR** : 1268UE CONTROL :1561UN HERE BY I VERIFYING THAT THE CONTROL RESULT OF THE EXECUTED PARAMETERS ARE WITHIN THE SD RANGE AND CV RANGE. VERIFIED BY: MR.MAGESHWARAN REVIEWED BY: (FOR WELL CARE PATH LAB) For CPC DIAGNOSTICS PVT LTD., For Wellcare Path Lab B-my Authorized Signatory

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SYSTEM INFORMATION

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CIN:U52599TN1991PTC021095

OPERATIONAL QUALIFICATION

SERIAL NO SOFTWAR OS VERSIO	0 20665 RE VERSION : V. 1.0.7	
MECHANISM	MOVEMENT CHECK	
SAMPLE/RE	AGENT TRAY	REMARK
	CANTON OF THE COMPANY	OK
	SAMPLE/REAGET TRAY ROTATIONS	OK OK
	REAGENT COOLING	UK
REACTION O	CUVETTE UNIT	
	CUVETTE CONDITION	GOOD
	CUVETTE ROTATION	GOOD
	LAMP	GOOD
	DRY BATH TEMPERATURE	OK
	CUVETTE WASHING	GOOD
	CUVETTE OVERFLOW	NOT HAPPENING
PROBE MEC	HANISM	
	WASH POT ALIGNMENT	OK
	REAGENT ASPIRATION POSITION (INNER)	OK
	REAGENT ASPIRATION POSITION (OUTER)	OK
	SAMPLE ASPIRATION POSITION(INNER)	OK
	SAMPLE ASPIRATION POSITION (MIDDLE)	OK
	SAMPLE ASPIRATION POSITION(OUTER)	OK
	CUVETTE DISPENSE POSITION	OK
	PROBE WASHING	OK
	PROBE LIQUID LEVEL DETECTION	OK

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MIXER MECHANISM

WASH POT ALIGNMENT	OK
MIXER WASHING	OK
MIXER ROTATION	OK
CUVETTE VS MIXER	OK

WATER AND DETERGENT TANK

WATER LEVEL SENSORS	OK
DETERGENT LEVEL SENSORS	OK
WATER HEATER	OK
LEAK IN WATER LINE	NOT HAPPENING

PHOTOELECTRIC STABILITY

Photoelectric stability gain should be in between 20000 to 60000

GAIN
1100
1826
1829
1963
2334
2268
2376
2301

WE HERE BY CONFIRM **TURBOCHEMPRIME** HAS PASSED ALL THE ABOVE QUALITY CHECKS AND WORKING IN GOOD CONDITIONS.

KINDLY FIND ATTACHMENT OF PRECISION DATA FROM TURBOCHEMPRIME

VERIFIED BY: MR.MAGESHWARAN

REVIEWED BY: (FOR WELL CARE PATH LAB)

For CPC DIAGNOSTICS PVT LTD.,

Authorised Signatory.

SIGNATURE:

For Wellcare Path Lab

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Phone No:044-23460168/169

Ci	arry over experiment	
- ant	TURBOCHEM PRIME	
Instrument Test Name	GLU	
Tost Name		

sample	mg/dL
Srl No High1	206.4
1 High2	206.3
2 High3	205.5
3 Low1	11.7
4 Low2	11.2
5 Low2	11.2
Lows	

0.005

Ca	rry over experiment
	Bs 240
Instrument Test Name	T-Bill

	sample	mg/dL
Srl No		4.1
1	High1	4.07
2	High2	4.04
3	High3	0.29
1	Low1	0.25
-	Løw2	
6	Low3	0.22

CARRYOVER %

0.261

Ca	rry over experiment
Instrument	Bs 240
Test Name	TP

		141
Srl No	sample	g/dl 8.8
1	High1	8.7
2	High2	8.8
3	High3	0.5
4	Low1	0.4
5	Low2	0.4
6	Low3	0.4

(Sent

C	arry over experiment	
Instrument	TURBOCHEM PRIME	
Test Name	TG	
Test Harri		

mg/dL
220.2
219.9
221.5
11.6
11.6
11.2

0.005

Ca	rry over experiment	
Instrument	Bs 240	
Test Name	CREA	

Srl No	sample	mg/dL
1	High1	4.71
2	High2	4.77
3	High3	4.75
4	Low1	0.24
5	Low2	0.24
6	Low3	0.24

CARRYOVER %

0.219

Ca	rry over experiment
Instrument	Bs 240
Test Name	UA

2 m

sample	mg/dL
High1	9.65
High2	9.49
High3	9.73
Low1	0.52
Low2	0.49
Low3	0.49
	High1 High2 High3 Low1 Low2

0.110

Carry over experiment		
Instrument	TURBOCHEM PRIME	
Test Name	UREA	

rl No	sample	mg/dL
1	High1	135.81
2	High2	137.35
3	High3	139.22
1	Low1	8.2
F -	Low2	8.25
6	Low3	7.88

CARRYOVER %

0.008

Ca	rry over experiment
Instrument	TURBOCHEM PRIME
Test Name	ALB

	sample	g/dl
Srl No		5.1
1	High1	53800-36
2	High2	5.2
2	High3	5.1
3		0.2
4	Low1	0.1
5	Low2	
6	Low3	0.2

CARRYOVER %

0.196

2 Sun

Ca	rry over experiment	
Instrument	TURBOCHEM PRIME	
Test Name	Cho H	

	sample	mg/dL
Srl No	High1	300.03
1	High2	301.86
2	High3	304.19
3	Low1	20.28
4	Low2	19.28
3	Low3	18.63

0.003

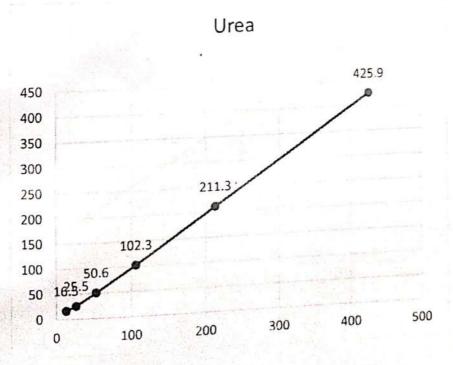
2 Sw/

TURBOCHEM PRIME

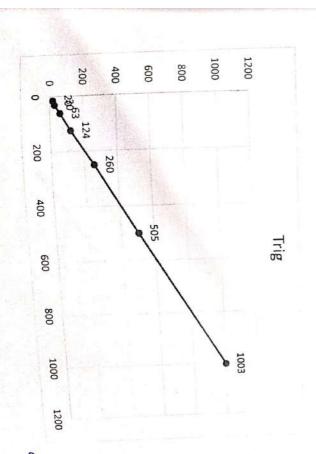
Work sheet repor t

TURBOCHEM PRIME

N°	Method	Samp ID	Туре	Dil.	Status	Result	T
1	UreaUV	sample1:64	N	1.0			_
7.55-				0			
2	UreaUV	sample1:32	N	1.0	13.309375	16.5	-
				0		10.0	
3	UreaUV	sample1:16	N	1.0	26.61875	25.5	-
				0			
4	UreaUV	sample1:8	N	1.0	53.2375	50.6	
	1			0			
5	UreaUV	sample1:4	N	1.0	106.475	102.3	
				0			1
6	UreaUV	sample1:2	N	1.0	212.95	211.3	
				0			
7	UreaUV	sample1	N	1.0	425.9	425.9	
				0			
8	UreaUV	sample1	N	1.0		429.4	1
		S	1	0			
9	UreaUV	sample1	N	1.0		423.8	
-				0			



Soll



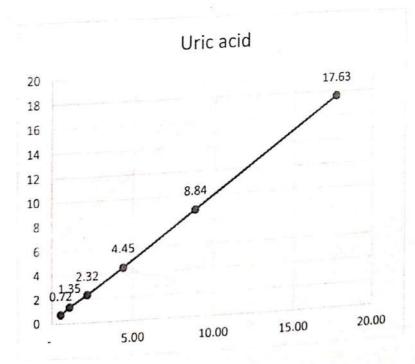
997		1.00	z	sample1	Trig	9
1007		1.00	z	sample1	Trig	00
1003	1003	1.00	z	sample1	Trig	7
505	501.5	1.00	z	sample1:2	Trig	6
260	250.75	1.00	z	sample1:4	Trig	5
124	125.375	1.00	z	sample1:8	Trig	4
63	62.6875	1.00	z	sample I. Io	elle	ω
30	31.34375	1.00	z	salliple 1.32	T. G	N
20	15.671875	1.00	z	sample 1:64	rig	_
Result	Status	Dii.	Туре	Samp ID	٥	Z



TURROCHEM PRIME

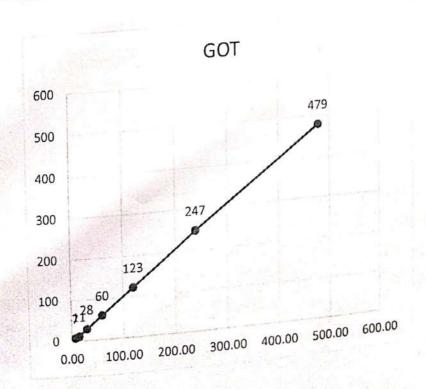
TURBOCHEM PRIM

Method	Samp ID	Туре	Dil.	Status	Result
UA	sample1:32	N	1.00	0.55	0.72
UA	sample1:16	N	1.00	1.10	1.35
UA	sample1:8	N	1.00	2.20	2.32
UA	sample1:4	N	1.00	4.41	4.45
UA	sample1:2	N	1.00	8.82	8.84
UA	sample1	N	1.00	17.63	17.63
UA	sample1	N	1.00		17.39
UA	sample1	N	1.00		17.14



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=	Method	Samp ID	Type	Dil.	Status	Result
		sample1:64	N	1.00	7.48	7
	GOT		N	1.00	14.97	11
+	GOT	sample1:32				28
+	GOT	sample1:16	N	1.00	29.94	
1	GOT	sample1:8	N	1.00	59.88	60
1		sample1:4	N	1.00	119.75	123
5	GOT		N	1.00	239.50	247
3	GOT	sample1:2	04/04/0	1.00	479.00	479
7	GOT	sample1	N	17.1(-1.7)	475.00	485
8	GOT	sample1	N	1.00		
9	GOT	sample1	N	1.00		490



al Cont

5.28 3.3 108.74 5.3 3.3 107.59
-
1.04 5.3
5.5
1.16
212.4
1 02
1176
8 1 1 91 1
5.5
\$ 9 1

Date:

Accepted B

Asst Application Munager

Star Bionied Pvt. Ltd.