



Lab Name ARUL JOTHI X-RAYS & LABS  
 Month December  
 Constituent Group Chemistry II

Lab No 13639  
 Year 2020



Date of Result Entered : 15/12/2020

Date of Report Published : 31/12/2020

Sl.No	Analyte	Method / Principle Name	Analyzer Name	No of Participants	DV	Participants		Your Value	SDI	U
						CV	SD			
1	GLUCOSE I	GOD-POD	Biosystems	225	145.73	8.33	12.14	148 mg/dl	0.19	1.62
2	UREA I	Urease Berthelot	Biosystems	60	82.05	13.40	10.99	73 mg/dl	-0.82	2.84
3	CREATININE I	Jaffes Kinetic - Alkaline picrate	Biosystems	217	4.04	12.59	0.51	4 mg/dl	-0.08	0.07
4	T.BILIRUBIN I	Diazonium salt ( Colorimetric ) / Jendrassik	Biosystems	181	2.32	17.44	0.40	2.7 mg/dl	0.94	0.05
5	T-PROTEIN I	Biuret - Colorimetric	Biosystems	192	4.99	9.74	0.48	4.5 g/dl	-0.84	0.07
6	ALBUMIN I	BCG - colorimetric	Biosystems	191	3.02	9.59	0.29	2.8 g/dl	-0.76	0.04
7	URIC ACID I	Enzymatic / Uricase Colorimetric	Biosystems	179	4.39	16.30	0.70	6.1 mg/dl	2.57	0.10
8	CHOLESTEROL I	CHOD-PAP	Biosystems	211	101.50	9.44	9.58	105 mg/dl	0.37	1.32
9	TRIGLYCERIDE I	GPO-PAP / Enzymatic Colorimetric / End Point	Biosystems	191	109.26	13.20	14.42	122 mg/dl	0.88	2.09

SDI Range	Interpretation
Within -1.0 to +1.0	Excellent
Between ±1.0 to ±2.0	Good
Between ±2.0 to ±3.0	Accept with caution. Warning Signal
Beyond ±3.0	Unacceptable performance. Action Signal

Homogeneity and Stability of the sample is passed.

Data in CMC EQAS reports is confidential  
 Contact details:  
 Email:clinqc@cmcvellore.ac.in  
 Contact Number: 0416-2283102

# NEWTON BIOMEDICAL SERVICE

27, Pradhakshanam Road, A-Plot, IInd Floor, KARUR - 639 001.  
Cell : 96009 32255 - E.mail : newtonbiomedicalservice@gmail.com

Service Available at : Fully Auto Analyzer / Semi Auto Analyzer / Electrolytes / Elisa Reader / Diagnostic Instruments

## CALIBRATION CERTIFICATE

DATE: 10-01-2021

NAME OF THE CUSTOMER : ARUL JOTHI X-RAY'S & LABS,  
ADDRESS : NO-26, POOKADAI STREET, RASIPURAM-637408  
EQUIPMENT NAME : BTS-350 CHEMISTRY SEMI AUTO ANALYZER PHOTOMETER BEARING  
S.NO : 801756552

This is to certify that the above mentioned equipment has been inspected and calibration as per protocol on 10-01-2021. This equipment is working satisfactorily. This calibration is valid through 09-01-2022. **Next calibration is due on 09-01-2022**

## CALIBRATION VALUES

### UPS POWER SUPPLY

S.NO	POWER SUPPLY	RANGE	MEASURED	CALIBRATION STATUS
1	E to N	1 VAC	IN RANGE	PASS
2	E to P	228 VAC	IN RANGE	PASS
3	P to N	229 VAC	IN RANGE	PASS

### POWER SUPPLY

S.NO	POWER SUPPLY	RANGE	MEASURED	CALIBRATION STATUS
1	Power Adapter	15 VDC	14.98 VDC	PASS
2	Inbuilt Battery	12 VDC	11.96 VDC	PASS

**Next Calibration Due On :09-01-2022**

TESTED BY: G.DINESH

APPROVED BY: QA



NOTE:1) Calibration Points & due date is given as per customer request 2) This Certificate refer only to particular item submitted for certificate 3) The calibration result reported are valid at the time of and under the stated conditions of the measurement 4) Any error in the certificate should be brought to our lab within 45 days from the date of issue of certificate.

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## LIGHT INTENSITY TEST

S.NO	Check Parameter	RANGE	DAC STATUS	CALIBRATION STATUS
1	340 nm	( 50 – 90 )	63	PASS
2	405 nm	( 75 – 140 )	101	PASS
3	505 nm	( 75 – 140 )	110	PASS
4	535 nm	( 75 – 140 )	98	PASS
5	560 nm	( 60 – 120 )	108	PASS
6	600 nm	( 75 – 140 )	102	PASS
7	635 nm	( 75 – 140 )	123	PASS

S.NO	Check Parameter	RANGE	DAC STATUS	CALIBRATION STATUS
1	Perilstatic Pump	Physical Examination	Working condition good	PASS
2	Aspiration Volume	Physical Examination	Working condition good	PASS
3	Flow Cell Temperature	37° C	36.9° C	PASS

## PERILSTATIC PUMP ADJUSTMENT TEST

S.NO	Check Parameter	RANGE	DAC STATUS	CALIBRATION STATUS
1	Sample Volume	44225	44225	PASS
2	Positioning	1502	1802	PASS
3	Pump Delay	2	2	PASS

**Next Calibration Due On :09-01-2022**

**TESTED BY: G.DINESH**

**APPROVED BY: CA**



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