


# Certificate Of Calibration

This is to certify that Semi automatic Biochemistry analyzer Ingenious Serial No-IN00311 , installed at Darshini Laboratory (Madurai) has been calibrated on 21/11/2020. (Vide Service report No- 9164)

Result of calibration is within acceptable range.

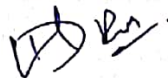
Note: Next Calibration required after six months(Due date: 20/05/2021)

For, Arkray Healthcare Pvt Ltd.



Pritesh H. Patel

(Asst. Manager, Instrument Division)



Customer's Signature and Stamp



## Test Certificate

Sr. No. : IN00311

Date : 30.01.2020

Test Parameters	Results
1 Mechanical Fitment Check	: Satisfactory
2 Mains Power on Self Test	: Satisfactory
3 Keypad Functioning Check	: Satisfactory
4 RS-232 Port Check	: Satisfactory
5 Printer Check	: Satisfactory
6 Incubator Check	: Satisfactory
7 Peristaltic Pump Check	: Satisfactory
8 Aspiration Check	: Satisfactory
9 Filter Position Check	
	340nm : 118 (Range 114 to 122)
	405nm : 168 (Range 165 to 172)
	510nm : 218 (Range 215 to 222)
	546nm : 268 (Range 264 to 272)
	578nm : 318 (Range 314 to 322)
	630nm : 368 (Range 365 to 372)
10 Gain calibration (Air)	
	340nm : 218 (Range 200 to 250)
	405nm : 228 (Range 200 to 250)
	510nm : 249 (Range 200 to 250)
	546nm : 224 (Range 200 to 250)
	578nm : 247 (Range 200 to 250)
	630nm : 235 (Range 200 to 250)

Test Parameters

Results

11 Absorbance Check

a) With Starna 1% Standard

546nm : 2.0490 (Range 1.747A to 2.347A)  
 630nm : 1.9774 (Range 1.678A to 2.278A)

b) With Starna 3% Standard

546nm : 1.5252 (Range 1.473A to 1.573A)  
 630nm : 1.4750 (Range 1.422A to 1.522A)

c) With Starna 10% Standard

546nm : 1.0048 (Range 0.949A to 1.049A)  
 630nm : 0.9974 (Range 0.941A to 1.041A)

d) With Starna 20% Standard

546nm : 0.6982 (Range 0.641A to 0.741A)  
 630nm : 0.6931 (Range 0.634A to 0.734A)

e) With Starna 30% Standard

546nm : 0.5298 (Range 0.482A to 0.582A)  
 630nm : 0.5490 (Range 0.501A to 0.601A)

f) With Starna 50% Standard

546nm : 0.2948 (Range 0.249A to 0.349A)  
 630nm : 0.3164 (Range 0.269A to 0.369A)

12 Data & Default Parameters Check : Satisfactory

13 Warning Labels Check : Satisfactory

14 Appearance : Satisfactory

Tested By : *V* 30.01.2020

Ms. Vidisha Desai  
 QC Officer

Approved By : *HNaik*  
 30-01-2020

Mr. Hemal Naik  
 Q. C. Incharge - Inst