



## CALIBRATION CERTIFICATE

**EI-Even Laboratories  
Changampuzha Nagar  
South Kalamassery  
Cochin**

Model Name & Sr. No : . EM 200- V200058  
Range of the instrument: Optical density Linear form 0-2.5 A  
Precision & Accuracy study on EM 200 done on 10-01-2022  
Calibration Due Date: 09-01-2023  
Calibration Done By : Mr. Manu K Raghunath

Reagent / Sample ratio -

Cup Position	Replicates	Absorbance (X)	SD	CV
Cup 1	20	1.5438 OD	0.0054	0.40%
Cup 2	20	1.5438 OD	0.0052	0.42 %
Cup 3	20	1.5449 OD	0.0047	0.38%

### Test of Potassium Dichromate ( $K_2Cr_2O_7$ ) on EM-200

Pipetted / Measured by Em200		Manually Pipettes Em200		Manually pipetted & read in Autospan	
Low	High	Low	High	Low	High
0.2005	1.8670	0.1975	1.8710	0.2025	1.7630





This instrument is manufactured in accordance with the European law in force, in particular to "Electricity Safety" EN 610101 and "Electromagnetic Compatibility " EN 61326 Standards.

	Ideal	Actual
Pressure	0.9 bar	0.93bar
Lamp Voltage	11.87 V	12.0V
Temperature	37 <sup>o</sup> C	37 <sup>o</sup> C

Photometer Calibration Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	255	556
405	255	535
505	255	520
546	255	487
578	255	510
600	255	467
660	255	492
700	255	460

The instrument does photometer check before each batch of tests is run. It will give an error message if the photometer test fails and it will not run any samples.

Thanking you and assuring of our prompt attention at all times.

Yours faithfully,  
For Transasia Bio- Medicals Ltd,

*For Sajin S Nair*

**Sajin S Nair**  
Regional Service Manager  
Cochin



**Internal Quality Control Results**

QC Name	Randox QC
InstrumentName	EM 200- V200058
Date of Testing	07/04/2022
QC Lot Number	1543UN

Sl No	Parameters	Result	Unit	QC Range	Status
1.	Glucose	112.3	mg/dL	86.1-135.9	Valid
2.	Creatinine	1.34	mg/dL	1.02-1.92	Valid
3.	ALT/SGPT	34.5	mg/dL	29-53	Valid
4.	AST/SGOT	31.7	mg/dL	25.5-46.5	Valid
5.	Total Bilirubin	1.76	mg/dL	1.14-2.22	Valid
6.	Alkaline Phosphatase	301	mg/dL	196-364	Valid
7.	Triglyceride	93.6	mg/dL	73.55-119.45	Valid
8.	Cholesterol	150	mg/dL	125.5-188.5	Valid
9.	HDL – Cholesterol	40.1	mg/dL	30.05-54.35	Valid
10.	Uric acid	6.0	mg/dL	4.64-6.86	Valid
11.	Urea	45.2	mg/dL	34-53.8	Valid
12.	Amylase	84	mg/dL	75-101	Valid
13.	Total Calcium	8.9	mg/dL	7.90-9.58	Valid
14.	Albumin	3.90	mg/dL	3.13-4.99	Valid
15.	Total Protein	5.76	mg/dL	4-7.48	Valid

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For Transasia Bio- Medicals Ltd,

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