



UNMATCHED SERVICE
SINCE 1979...

CALIBRATION CERTIFICATE

Central Council for Research in Ayurvedic Sciences, Poojappura
Thiruvananthapuram

1. Model Name & Sr. No : . EM 200- 2002918
2. Range of the instrument: Optical density Linear form 0-2.5 A
3. Precision & Accuracy study on EM 200 done on 16.10.2023
4. Calibration Due Date: 15.10.2024
5. Calibration Done By : Mr. Jibin M T

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



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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 ⁰ C	37 ⁰ C

Photometer Calibration Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	255	481
405	255	464
505	255	453
546	255	520
578	255	471
600	255	473
660	255	470
700	255	451

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
Regional Service Manager
Cochin

