



## CALIBRATION CERTIFICATE

Medical Trust Hospital,  
Kuzhuppilly.

Model Name & Sr. No : . EM 200- 2002468

Range of the instrument: Optical density Linear form 0-2.5 A

Precision & Accuracy study on EM 200 done on 18-06-2022

Calibration Due Date: 17-06-2023

Calibration Done By : Mr. Adarsh U Rajan

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	11.80 V	11.80V
Temperature	37 <sup>0</sup> C	37 <sup>0</sup> C

Photometer Calibration Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	255	463
405	255	406
505	255	405
546	255	415
578	255	449
600	255	392
660	255	384
700	255	444

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

