



## CALIBRATION CERTIFICATE

**Ideal Lab**  
**Near Govt. Hospital**  
**Kanjirappally**  
**Kottayam**

Model Name & Sr. No : . EM 200- B200578  
 Range of the instrument: Optical density Linear form 0-2.5 A  
 Precision & Accuracy study on EM 200 done on 10-08-2023  
 Calibration Due Date: 09-08-2024  
 Calibration Done By : Mr. Santhosh P Vasu

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° C	37° 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  
Regional Service Manager  
Cochin

