



UNMATCHED SERVICE
SINCE 1979...

Transasia Bio-Medicals Ltd., 116, Anand Mangal - III Complex, Near Ambawadi Bazar, Near Apollo City Center,
Elisbridge, Ahmedabad - 380006 **Telefax:** 079-26407030 **Email :** wz2@transasia.co.in
CIN : U33110MH1985PLC036198

Calibration Certificate

To,

Date: 21/12/2020

Dhiraj General Hospital,
Vaadara
Dear Sir,

As desired by you please find enclosed herewith the Calibration Report.

1. Serial No. of Instrument EM 200 SN : B151217
2. Range of the Instrument : Optical density Linear from 0-3.5 A
3. Precision & Accuracy study on EM-200

Precision with Pottassium Dichromate ($K_2Cr_2O_7$)

Reagent / Sample ratio –

Cup Position	Replicates	Absorbance (X)	SD	CV
Cup 1	20	1.5448	0.0046	0.38%
Cup 2	20	1.5437	0.0051	0.41%
Cup 3	20	1.5437	0.0053	0.40%



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Accuracy study with Potassium Dichromate ($K_2Cr_2O_7$) In comparison with EM-200.

Wavelengths scan on Referral Spectrophotometer for Potassium Dichromate ($K_2Cr_2O_7$)

Wavelength	Spectrophotometer OD	
	Low	High
335	0.1901	1.7954
336	0.1875	1.7860
337	0.1935	1.8172
338	0.1978	1.8443
339	0.2023	1.9071
340	0.2028	1.9479
341	0.2116	1.9875
342	0.2168	2.0245
343	0.2241	2.0546
345	0.2259	2.0839

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

Pipetted / Measured by EM-360		Manually Pipettes EM		Manually pipette & read in Autospan	
Low	High	Low	High	Low	High
0.2019	1.8973	0.1987	1.8901	0.2006	1.7952



This Instrument is manufactured in accordance with the European law in force. In particular to
'Electricity Safety' EN610101 and 'Electromagnetic Compatibility' EN 61326 Standards.

Parameter	Ideal	Actual
Pressure	0.9 bar	0.93 bar
Lamp Voltage	12 V	11.78 V
Temperature	37 deg C	37 deg C

Photometer Calibration Check	OK
Cuvete Blank Check	OK

Wavelengths	Gain
340	456
405	594
505	615
546	594
578	586
600	508
660	498
700	494

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.

Jalpen Kasarwala
Service Engineer
Vadodara