



Date : 03<sup>rd</sup> February '2022

**Rapid Laboratories,  
Patiala**

Dear Sir,

As desired by you please find enclosed herewith the Calibration report

1. Instrument & Serial No.: **EM-200-Serial No.B2001155.**
2. Range of the instrument: Optical density Linear form 0-3.5 A
3. Precison & Accuracy study on EM-200 done on 03-02-2022 & valid upto 02-02-2023.

Precison with Potassium Dichromate (  $K_2Cr_2O_7$  )

Reagent / Sample ratio -

Cup Position	Replicates	Absorbance (X)	SD	CV
Cup 1	20	1.5642 OD	0.0059	0.48%
Cup 2	20	1.5869 OD	0.0071	0.52%
Cup 3	20	1.5989 OD	0.0073	0.51%

**Accuracy study with Potassium Dichromate (  $K_2Cr_2O_7$  ) in comparison with XL-200**

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

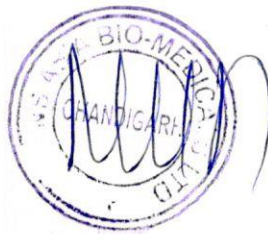


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Wavelength	Spectrophotometer OD	
	Low	High
335	0.1886	1.7357
336	0.1980	1.7442
337	0.1989	1.7689
338	0.2010	1.7822
339	0.2036	1.8100
340	0.2076	1.8496
341	0.2189	1.8703
342	0.2285	1.9113
343	0.2298	1.9468
344	0.2312	1.9720
345	0.2376	2.0154



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

Pipetted/Measured by XL 200		Manually Pipettes		Manually pipetted & read in Autospan	
Low	High	Low	High	Low	High
0.2032	1.8208	0.1862	1.8689	0.2121	1.9539

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.

Pressure	Ideal	Actual
	0.9 bar	0.90bar
Lamp Voltage	12 V	12.01 V
Temperature	37° C	37 ° C

Photometer Calibraion Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	NA	686
405	NA	470
505	NA	563
546	NA	480
578	NA	529
600	NA	426
660	NA	395
700	NA	430



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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.**

  
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