



UNMATCHED SERVICE  
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Date : 04<sup>th</sup> May '2020

**Polo Labs Pvt. Ltd.,  
Hoshiarpur.**

Dear Sir,

As desired by you please find enclosed herewith the Calibration report

1. Instrument & Serial No.: **Erba EM-200-Serial No. B140309.**
2. Range of the instrument: Optical density Linear form 0-3.5 A
3. Precison & Accuracy study on EM-200 done on 05-05-2020 & valid upto 03-05-2021.

Precison with Potassium Dichromate (  $K_2Cr_2O_7$  )

Reagent / Sample ratio -

Cup Position	Replicates	Absorbance (X)	SD	CV
Cup 1	20	1.5633 OD	0.0054	0.47%
Cup 2	20	1.5861 OD	0.0069	0.53%
Cup 3	20	1.5982 OD	0.073	0.51%

**Accuracy study with Potassium Dichromate (  $K_2Cr_2O_7$  ) in comparision with EM-200**

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



Contd..2



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CIN: U33110MH1985PLC036198

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Wavelength	Spectrophotometer OD	
	Low	High
335	0.1882	1.7350
336	0.1955	1.7429
337	0.1979	1.7830
338	0.2011	1.8120
339	0.2038	1.8320
340	0.2073	1.8731
341	0.2109	1.9019
342	0.2156	1.9356
343	0.2231	1.9761
344	0.2310	2.0123
345	0.2323	2.0520



Contd...3





**Test of Potassium Dichromate (K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>) on EM-200**

Pipetted/Measured by EM 200		Manually Pipettes EM		Manually pipetted & read in Autospan	
Low	High	Low	High	Low	High
0.2031	1.8205	0.1858	1.8690	0.2112	1.9532

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	0.91bar
Lamp Voltage	12 V	12.02 V
Temperature	37 <sup>o</sup> C	37 <sup>o</sup> C

Photometer Calibraion Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	NA	686
405	NA	478
505	NA	563
546	NA	482
578	NA	536
600	NA	433
660	NA	379
700	NA	431



Contd...4





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.**

Rashpal Singh Rana

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