



Date : May 26, 2023

**Lifewell Diagnostics Pvt. Ltd.,
Chandigarh**

Dear Sir,

As desired by you please find enclosed herewith the Calibration report

1. Instrument & Serial No.: **Erba EM-200-Serial No. V200403.**
2. Range of the instrument: Optical density Linear form 0-3.5 A
3. Precison & Accuracy study on EM-200 done on 26-05-2023 & valid upto 25-05-2024.

Precison with Potassium Dichromate ($K_2Cr_2O_7$)

Reagent / Sample ratio -

Cup Position	Replicates	Absorbance (X)	SD	CV
Cup 1	20	1.5634 OD	0.0056	0.48%
Cup 2	20	1.5863 OD	0.0068	0.53%
Cup 3	20	1.5979 OD	0.0072	0.51%

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

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



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Wavelength	Spectrophotometer OD	
	Low	High
335	0.1882	1.7351
336	0.1952	1.7431
337	0.1983	1.7819
338	0.2011	1.8221
339	0.2040	1.8325
340	0.2079	1.8731
341	0.2153	1.9021
342	0.2179	1.9356
343	0.2215	1.9763
344	0.2303	2.0124
345	0.2352	2.0520



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Test of Potassium Dichromate ($K_2Cr_2O_7$) 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	0.92bar
Lamp Voltage	12 V	12.00 V
Temperature	37° C	37 ° C

Photometer Calibraion Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	NA	681
405	NA	481
505	NA	562
546	NA	481
578	NA	539
600	NA	438
660	NA	379
700	NA	434



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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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