



UNMATCHED SERVICE  
SINCE 1979...

Ref No. TS/SBP/8529

Date : 8th Sep '2021

**MicroCraft Pathology, LLP,  
Navjeevan, Mumbai Central, East  
Mumbai Maharashtra**

Dear Sir/ Madam ,

As desired by you please find herewith the Calibration report

1. Year of manufacturing : 2018 Sr No.B2001581
2. Range of the instrument : Optical density Linear form 0-3.5 A
3. Precision & Accuracy study on EM200
4. Date of calibration : 8th SEPT. 2021
5. Due Date of Calibration: 16th SEPT 2022

Precision with Potassium Dichromate (  $K_2Cr_2O_7$  )

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%

Accuracy study with Potassium Dichromate (  $K_2Cr_2O_7$  ) in comparision with EM200

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

Wavelength	Spectrophotometer OD	
	Low	High
340	0.1874	1.7437
405	0.1902	1.7803
456	0.1936	1.8217
505	0.1976	1.8629
546	0.2021	1.9055
578	0.2009	1.9479
600	0.2115	1.9875
670	0.2163	2.0226





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## Test of Potassium Dichromate ( $K_2Cr_2O_7$ ) on EM200

Pipetted / Measured by EM200		Manually Pipettes XL		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.

Pressure	Ideal	Actual
	0.9 bar	0.89 bar
Lamp Voltage	12 V	12.07V
Temperature	37 <sup>o</sup> C	37 <sup>o</sup> C

Photometer Calibration Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	255	476
405	255	487
480	255	479
505	255	473
546	255	494
576	255	485
600	255	476
670	255	496

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.

REGIONAL SERVICE MANAGER

