

Ref No. TS/SBP/5789

Date : 1st SEP'2020

PGM DIAGNOSTICS CENTRE.

Shop no.41/41, G-wing, Gokul Nagari 2, WEH, Datani Road , Kandivali East.

Mumbai- 400 101.

Dear Sir/ Madam ,

As desired by you please find herewith the Calibration report

1. Year of manufacturing : 1ST SEP 2020 Sr No.B200806
2. Range of the instrument : Optical density Linear form 0-3.5 A
3. Precision & Accuracy study on EM200
4. Date of calibration : 1th SEP 2020
5. Due Date of Calibration: 31st AUG 2021

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 comparison 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

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 ^o C	37 ^o C

Photometer Calibraion 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 Calibrator used: True Cal
Lot No: 121829
Expiry Date: FEB 2021**

**The Control used : Blo-Rad (lev1,level2)
Lot No : 16712,17352
Expiry date : 2021 Nov**

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