



Ref No : TSD/NEYD/2041

Date : 08 SEPTEMBER 2021

**NEYVELI DIAGNOSTICS CENTRE,
DR. RADHAKRISHNAN SALAI,
BLOCKII, NEYVELI-607803**

Dear Sir/ Madam,

As desired by you please find herewith the Calibration report

Manufacturer detail : EM 200 S.R NO: B150406
Range of the instrument : Optical density Linear form 0-3.5 A
Date of calibration : 27 FEB 2021
Next calibration due date : 26 FEB 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 comparison with EM - 200

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

Wavelength	Spectrophotometer OD	
	Low	High
335	0.1874	1.7437
367	0.1902	1.7803
423	0.1936	1.8217
353	0.1976	1.8629
468	0.2021	1.9055
527	0.2009	1.9479
653	0.2115	1.9875
486	0.2163	2.0226
568	0.2212	2.0588
594	0.2255	2.0845

Test of Potassium Dichromate ($K_2Cr_2O_7$) on XL-600

Pipetted / Measured by XL-300		Manually Pipettes XL		Manually pipetted & read in Autospan	
Low	High	Low	High	Low	High
0.2005	1.9785	0.2010	1.9795	0.2009	1.9788

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
	1.0 bar	0.95 bar
Lamp Voltage	12 VDC	12.07V
Temperature	37° C	37° C



Photometer Calibration Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	255	387
376	255	327
415	255	443
450	255	367
480	255	351
505	255	467
546	255	521
570	255	389
600	255	357
660	255	443

The Calibrator used: Multical
Lot No: 2005093D
Expiry Date: December 2021

The Control used : Bio-Rad (level 1, level 2)
Lot No : 20470, 20470
Expiry date : DEC 2022

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.**

For


REGIONAL SERVICE MANAGER

TRANSASIA BIO MEDICALS LTD.
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