



Date: 14th April '2021

**Polo Labs Pvt. Ltd.,
Khanna.**

Dear Sir,

As desired by you please find enclosed herewith the Calibration report

1. Instrument & Serial No.: **Erba EM-200-Serial No. B140713.**
2. Range of the instrument: Optical density Linear form 0-3.5 A
3. Precision & Accuracy study on EM-200 done on 14-04-2021 & valid upto 13-04-2022.

Precision 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	0.0073	0.51%

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

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



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Wavelength	Spectrophotometer OD	
	Low	High
335	0.1882	1.7351
336	0.1958	1.7429
337	0.1979	1.7830
338	0.2011	1.8123
339	0.2038	1.8320
340	0.2079	1.8731
341	0.2153	1.9021
342	0.2179	1.9356
343	0.2205	1.9761
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

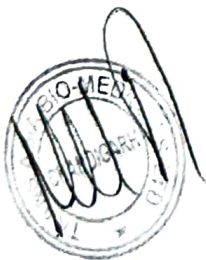
Pipetted/Measured by EM 200		Manually Pipettes EM		Manually pipetted & read in Autospan	
Low	High	Low	High	Low	High
0.2031	1.8205	0.1858	1.8690	0.2112	1.9532

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	12.01 V
Temperature	37° C	37° C

Photometer Calibration Check	Ok
Cuvette Blank Check	Ok

Wavelength	Off Set	Gain
340	NA	680
405	NA	481
505	NA	563
546	NA	479
578	NA	539
600	NA	435
660	NA	381
700	NA	432



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TRANSASIA®

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CIN : U33110MH1985PLC036198

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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.**

Rashpal Singh Rana
Sr. Regional Service Manager

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TECHNICAL SERVICE REPORT

No. **1358299**

DATE: **13-12-2021**

CUSTOMER DETAILS		INSTRUMENT DETAILS			SERVICE STATUS	
NAME: POLO LAB		MODEL: EM-200			<input type="checkbox"/> WARRANTY <input checked="" type="checkbox"/> R&R <input type="checkbox"/> AMC <input type="checkbox"/> CMC <input type="checkbox"/> CHARGED CALL	
ADDRESS: KHANNA		SR. NO.: 13140713			TYPE OF CALL	
		CALL DETAILS			<input type="checkbox"/> INSTALLATION <input checked="" type="checkbox"/> P.M. VISIT <input type="checkbox"/> APPLICATION SUPPORT <input type="checkbox"/> BREAKDOWN	
TEL NO:		JOB COMPLETED			DOWN TIME:	
NAME OF THE OPERATOR:		RESPONSE TIME			COUNTER READING:	
PROBLEM REPORTED:		TRAVEL TIME				
OBSERVATIONS: do						
ACTION TAKEN: pm carried out. cleaned probe, landing pads, cavities, manifold, trough, stirrer and pump. performed calibration and are results send ok.						
SITE CONDITION: LINE-NEUTRAL VOLT.: <input checked="" type="checkbox"/> NEUTRAL-EARTH VOLT.: <input checked="" type="checkbox"/> LINE-EARTH VOLT.: <input checked="" type="checkbox"/>						
BRAND OF REAGENT USED:				TO BE FILLED IN BY CUSTOMER		
<input type="checkbox"/> FOLLOWING PARTS HAVE BEEN REPLACED <input type="checkbox"/> FOLLOWING PARTS NEED TO BE REPLACED. PLEASE APPROVE				<input type="checkbox"/> PREVENTIVE MAINTENANCE CARRIED OUT SATISFACTORILY. <input type="checkbox"/> FAULT RECTIFIED & INSTRUMENT IS WORKING SATISFACTORILY. <input type="checkbox"/> WE HEREBY APPROVE RS. _____ FOR PARTS <input type="checkbox"/> COMMENTS (IF ANY):		
NO.	DESCRIPTION	QTY.	COST	TOTAL	SEAL	DATE
TOTAL Rs.				CUSTOMER'S SIGNATURE NAME: [Signature]		
INVOICE NO.:				BRANCH		
FOLLOW-UP ACTION (Required if any):				H. O.		
ENGINEER'S/PRODUCT SPECIALIST'S SIGNATURE:				RECEIVED ON:		
TIME:				CHECKED BY:		
NAME: ROHIDAS SINGH RANA				JOB CARD NO.:		
NOTE: Parts replaced are chargeable except during warranty period. Consumables like printer head, lamp, tubing, paper rolls etc. & breakable parts are not covered by warranty and hence are chargeable. Parts replaced due to negligence in operation will also be charged in every case.						
AT TRANSASIA, CUSTOMER SATISFACTION IS OUR PRIME CONCERN. IN CASE YOU HAVE ANY SUGGESTIONS PLEASE CONTACT: GENERAL MANAGER (TECHNICAL SERVICE), MUMBAI. TEL.: 4030 9000 FAX: (022) 4030 9090						

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