

Performance Certificate

	Date of Testing	08-02-2023
	Parameters	
Instrument Number : BNSP-12842023	"Na ⁺ " Electrode :	Na2212R22
Software Version : 24SW6.4USF.3R47.M028	"K ⁺ " Electrode :	K2301C27
Tested Reagent Lot : R22125	"iCa ⁺⁺ " Electrode :	-----
Bubble Detector : USSBD2212632	"Li ⁺ " Electrode :	-----
"Ref" Electrode : RE6CH2212C44	"pH" Electrode :	-----
	"Cl ⁻ " Electrode :	Cl2212C21

MB NUMBER: UMB13V2302054

Calibration Slope :

S.No	Na ⁺	K ⁺	iCa ⁺⁺	Li ⁺	pH	Cl ⁻
1	67.97	65.27	37.98	-----	75.21	58.81
2	68.05	65.05	37.71	-----	75.06	58.60
3	67.95	64.75	37.81	-----	75.03	58.66
Mean	67.99	65.02	37.83	-----	75.10	58.69
Ranges	35 - 100 mV/decade	35 - 100 mV/decade	15 - 50 mV/decade	-----	30 - 100 mV/decade	30 - 100 mV/decade
Status	OK	OK	OK	-----	OK	OK

Quality Control (I) : Lot:UQC2212B-L1

Exp: Nov 2024

S.No	Na ⁺	K ⁺	iCa ⁺⁺	Li ⁺	pH	Cl ⁻
1	124.02	2.20	1.98	-----	7.01	84.96
2	124.15	2.20	1.97	-----	7.02	84.63
3	124.85	2.20	2.00	-----	7.02	82.96
Mean	124.34	2.20	1.98	-----	7.02	84.18
Ranges	113 - 131 mmol/L	1.59 - 2.59 mmol/L	1.46 - 2.46 mmol/L	-----	6.95 - 7.05	71 - 89 mmol/L
Status	OK	OK	OK	-----	OK	OK

Quality Control (II) : Lot:UQC2212B -L2

Exp: Nov 2024

S.No	Na ⁺	K ⁺	iCa ⁺⁺	Li ⁺	pH	Cl ⁻
1	147.25	4.13	1.30	-----	7.21	101.63
2	146.02	4.11	1.31	-----	7.21	100.65
3	146.63	4.16	1.30	-----	7.21	100.52
Mean	146.63	4.13	1.30	-----	7.21	100.93
Ranges	137 - 151 mmol/L	3.53 - 4.53 mmol/L	0.78 - 1.78 mmol/L	-----	7.16 - 7.26	92 - 110 mmol/L
Status	OK	OK	OK	-----	OK	OK

Quality Control (III) : Lot:UQC2212B -L3

Exp: Nov 2024

S.No	Na ⁺	K ⁺	iCa ⁺⁺	Li ⁺	pH	Cl ⁻
1	166.35	6.09	0.73	-----	7.40	118.85
2	166.33	6.11	0.73	-----	7.40	118.96
3	166.25	6.08	0.74	-----	7.40	118.63
Mean	166.31	6.09	0.73	-----	7.40	118.81
Ranges	156 - 174 mmol/L	5.62 - 6.62 mmol/L	0.22 - 1.22 mmol/L	-----	7.36 - 7.46	110 - 128 mmol/L
Status	OK	OK	OK	-----	OK	OK

Serum :

S.No	Na ⁺	K ⁺	iCa ⁺⁺	Li ⁺	pH	Cl ⁻
1	-----	-----	-----	-----	-----	-----
2	-----	-----	-----	-----	-----	-----
3	-----	-----	-----	-----	-----	-----
Mean	-----	-----	-----	-----	-----	-----
Ranges	-----	-----	-----	-----	-----	-----
Status	-----	-----	-----	-----	-----	-----

BIO RAD Level (I) :

Lot: 89711

Exp: Nov 2024

S.No	Na ⁺	K ⁺	iCa ⁺⁺	Li ⁺	pH	Cl ⁻
1	148.78	3.80	1.00	-----	-----	90.52
2	148.36	3.82	1.00	-----	-----	92.96
3	148.32	3.83	1.01	-----	-----	92.36
Mean	148.49	3.82	1.00	-----	-----	91.95
Ranges	141 - 155 mmol/L	3.20 - 4.20 mmol/L	0.60 - 1.12 mmol/L	-----	-----	86.6 - 106 mmol/L
Status	OK	OK	OK	-----	-----	OK

BIO RAD Level (II) :

Lot: 89712

Exp: Nov 2024

S.No	Na ⁺	K ⁺	iCa ⁺⁺	Li ⁺	pH	Cl ⁻
1	129.36	5.67	1.41	-----	-----	87.15
2	129.15	5.65	1.40	-----	-----	86.85
3	129.17	5.67	1.40	-----	-----	86.15
Mean	129.23	5.66	1.40	-----	-----	86.72
Ranges	123 - 137 mmol/L	5.50 - 6.37 mmol/L	1.10 - 1.45 mmol/L	-----	-----	78 - 94 mmol/L
Status	OK	OK	OK	-----	-----	OK

Urine Quality Control (I) : Lot:QC2212A-UL-1

Exp: Nov 2024

S.No	Na ⁺	K ⁺	iCa ⁺⁺	Li ⁺	pH	Cl ⁻
1	362.68	59.07	-----	-----	-----	366.85
2	360.77	59.29	-----	-----	-----	356.57
3	363.93	59.57	-----	-----	-----	366.93
Mean	362.46	59.31	-----	-----	-----	363.45
Ranges	280 - 450 mmol/L	55 - 85 mmol/L	-----	-----	-----	300-450 mmol/L
Status	OK	OK	-----	-----	-----	OK

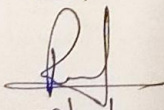
Urine Quality Control (II) : Lot:QC2212A-UL-2

Exp: Nov 2024

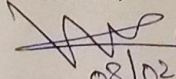
S.No	Na ⁺	K ⁺	iCa ⁺⁺	Li ⁺	pH	Cl ⁻
1	680.42	311.87	-----	-----	-----	796.14
2	683.38	311.81	-----	-----	-----	796.84
3	683.51	313.82	-----	-----	-----	796.84
Mean	682.44	312.50	-----	-----	-----	796.61
Ranges	580 - 750 mmol/L	280 - 550 mmol/L	-----	-----	-----	700 - 900 mmol/L
Status	OK	OK	-----	-----	-----	OK

NOTE: iCa/pH results are the results tested by internal QC Electrodes.

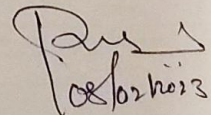
Tested By


08/02/2023.

Reviewed By


08/02/2023

Approved By


08/02/2023

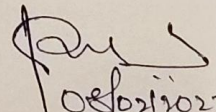
CERTIFICATE OF ANALYSIS

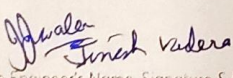

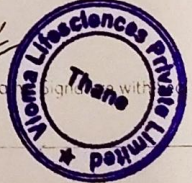
PRODUCT:	Benesphera Electrolyte Analyzer	
SERIAL NUMBER:	BNSP-12842023	
SOFTWARE VERSION:	24SW6.4USF.3R47.M028	
CHECK OF SETTING IN "SYSTEM" AND "SETUP" MENU:	PASSED	√
CALIBRATION DATA TEST:	PASSED	√
MEASUREMENT PROCESS TEST:	PASSED	√
INTERNAL PRINTER TEST:	PASSED	√
SERIAL COMMUNICATION TEST:	PASSED	√
CHECK OF SN CONFORMITY IN LABEL, PACKAGE AND PRINTOUT CE LOGO:	PASSED	√
APPEARANCE CHECK OF INSTRUMENT AND ACCESSORIES:	PASSED	√
COMPARISION OF PACKAGE CONTENT TO PACKING CHECKLIST:	PASSED	√

This unit with the serial number indicated above has been checked and released for sale Avantor.. The specified values of the "internal check" (see user manual) are within the acceptable confidence range and the unit is able to function correctly under the conditions described in the user manual.

Date :08.02.2023

Department Incharge: _____


 08/02/2023

Installation Advice Date		Report Serial No 0301	
Organization	Vioma life sciences		Department
Address Indafit Industries Pvt, Thane(W)			
City	Thane	State	Maharashtra
Telephone No (s)	8291864806	Pin Code	400607
Email-ID	shilpa@vioma-life.com	Fax No. (s)	
Customer Name	Ms shilpa swarn	Designation	
Customer Order#		Order Date	
Invoice#		Invoice Date	
Model Name	Biosphere electrolyte analyser	Shipment Date	
Serial of the Main instrument	Biosphere 12842023	Receipt Date by Customer	
Name / Model of Accessories		Sr#	
		Sr#	
		Sr#	
Consignment Checked		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Consignment Damaged		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If damaged, Service Engineer to record his observation			
N/A			
Shortshipment/ Wrong Shipment Observed		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If short shipment/wrong shipment, Service engineer to record his observation along with part#			
N/A			
Pre-Installation Requirements ready		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If not as per system requirements, Services Engineer to record his recommendation to Customer			
Customer Readiness	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Call date by the Customer: 27/06/23	Installation Hrs: 3hrs
Response Date: 28/06/23	Time: 10:00am	Completion Date: 28/06/23	Time: 12:00hr
Warranty Start Date: 28/06/23	Warranty Expiry Date: 28/06/24		
Installation done as per recommended Installation Protocol		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Equipment Familiarization (how to use) explained to Customer		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Do's & Don'ts Minor Troubleshooting explained to Customer		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Warranty provision, Preventive Maintenance Schedule, explained		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Installation sticker pasted on the Main Instrument along with Sr#		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Please capture order condition on Post Installation Services to Customer:			
Engineer's observations/comments, if any:			
All ok			
We certified that instrument has been received in good condition and has been installed & commissioned to my/our satisfaction and is fully operational. I/We have been explained system familiarization, Do's & Don'ts, Warranty Condition & Provisions, Preventive Maintenance schedules. Our supply order has been fully serviced to our satisfaction.			
 Service Engineer's Name, Signature & Date 28/06/23			 Customer's No. _____ signed with _____ & Date _____
Scan to register your service request / feedback			
Regd. Office : Avantor Performance Materials India Private Limited 19th Floor, Building No.5, Tower C, DLF Cyber City Phase - III Gurgaon - 122002 Haryana, India For any queries / support: +91 124 4656799 Email: techsupport.india@avantorsciences.com			