

ROOTS METROLOGY & TESTING LABORATORY

(A Division of Roots Industries India Limited)



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156, Bommasandra Industrial Area, Bommasandra, Jigani Link Road, .

Anekal Taluk, Bangalore - 560 099, Mobile : 97900 14066, E-mail : blrmetlab@rootsemail.com

CALIBRATION CERTIFICATE

*		a de	ULR-CC27822103000	01785F		
Certificate No. : BRMTL/	01/521100006-A3-A	Date of Issue	: 03-04-2021	: 03-04-2021		
Name and address of the Customer M/s. Alpha Lifecare No 17, Bashyam Street, Manjakuppam, Cuddalore - 607001		Date of Receipt of Iten Date of Calibration Calibration Due (As Per Customer Req Customer Reference	: 02/04/2021 : 01/04/2022 (uest)	: 02/04/2021		
1 DESCRIPTION OF DE	VICE UNDER CALIBRATION	ON (DUC)				
Name of the DUC	: ELECTRICAL SAFETY (Electrolyte Analyser)	Receiving Condition o	f DUC : Satisfactory			
Identification SI.No.	: : 58888CNKC	Reference Document	Specification	: As Per Manufacturer Specification : BRMTL/WI/418 : Temp: 24.4°C / RH: 58% : Onsite		
Make Model Location	: Medica : Easy Life : Biochemistry	Cal. Procedure Ref. N Environmental Condi Calibrated at	tion : Temp : 24.4°C			
Location	, Diconomisa y					
2. DETAILS OF MASTE	RUSED					
Standard Instrument Use		SL. No. / ID No.	Traceable To / Certificate No.	Validity		
Electrical Safety Analyze	Rigel Medical / 288+	48K-0413 BRMTL-315	ACCS201093	12.09.2021		
The Masters are traccable	e to National / International st	andards as per ISO/IEC	17025			
FIELD - MEDICAL DEV	ICES					
19	Cal	ibration Results				
3. VISUAL INSPECTION			Rem			
SL. No.	No. Description					
9 1	16	05-05	Pass V	Fail		
1 Device Clean and	d Decontaminated					

CALIBRATED BY (CALIBRATION ENGINEER)	AUTHORIZED BY (QM/TM/DY.TM/Sr Er)		
n _e		This Report refers only to the sample submitted and may not be reproduced in full or in part, without written permission from Quality Manager Roots Metrology & Testing Laboratory, Bangalore.	
DHANARAJA V	KAMALAKANNAN R		01 of 02

Display intensity adequate for day time use

Physical damage

Power cord check

Alarm Function

2

3

4

5



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CALIBRATION CERTIFICATE

Certifica	nte No. : BRMTL/01/52110	0006-A3-A			-3/1
		**			
4. ELEC	TRICAL SAFETY				
4.1 INSU	JLATION TEST		The second secon		B
SL. NO.	Specification	Measured Value (MΩ)	Allowable Limit (ΜΩ)	Uncertainty ± (%)	Remarks
1	Mains to Protective Earth	>100	>2	8.1	Pass
4.2 EAR	TH LEAKAGE				
SL. NO.	Specification	Measured Value (μA)	Allowable Limit (μΑ)	Uncertainty ± (%)	Remarks
1	Normal Condition	599	<5000	8.21	Pass
2	Open Neutral (SFC*)	1128	<10000	8.21	Pass
4.3 ENC	LOSURE LEAKAGE				
SL. NO.	Specification	Measured Value (μA)	Allowable Limit (μA)	Uncertainty ± (%)	Remarks
1	Normal Condition	27	<100	8.21	Pass
2	Open Neutral (SFC*)	59	<500	8.21	Pass
		TARKET IN	N. B. P. ASS.		
5. REM	ARKS	F10 F10			
1 The c	alibration results reported	corresponds to the I	particular item mentione	d above.	
2. This C	Certificate refers to the value	ies obtained at the t	ime of calibration and ur	ider the above sta	ited condition
3. All Ca	alibrations are done in SI u	nits and are traceab	le to National/Internatio	nal standards as 1	required in
ISO/IEC					
	ficate will not be reproduce				
5 Thor	eported uncertainty of mea	surement is stated a	s the standard uncertain	ty in measuremen	nt multiplied
s. The r	overage factor k=2, which	39 (17) 12: 12: 12: 12: 12: 12: 12: 12: 12: 12:		AND THE RESERVE AND THE RESERV	and the second second second

CALIBRATED BY (CALIBRATION ENGINEER) DHANARAJA V		AUTHORIZED BY (QM/TM/DY.TM/Sr.Er) KAMAKAKANNAN R		This Report refers only to the sample submitted and may not be reproduced in full or in part, without written permission from Quality Manager Roots Metrology & Testing Laboratory, Bangalore.		
						02 of 02
Calibration Label / Status :	White : Calibrated		Green: Accepted	- Valid for use	* NEXT CA	ALIBRATION DUE AS
	Yellow: Limited use (Refer report)		Red : Rejected-Out of use (Refer report)		PER CUSTOMERS PLAN AND REQUIREMENT	



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CALIBRATION CERTIFICATE

Certificate No.: BRMTL/01/521100006-A3-B			Date of Issue			: 03-04-2021			
Name and address of the Customer				Date of Re	eceipt of It	em	: 02/04/2021		
M/s. Alpha Lifecare			Date of Calibration			: 02/04/2021			
No 17, Bashyam Street, Manjakuppam, Cuddalore - 607001			Calibratio	n Due		: 01/04/2022	8		
			(As Per C	ustomer R	equest)				
			Customer Reference : Mail Confirm				# 31.03.202		
1. DESCRII	PTION OF DE	VICE UN	DER CALIBRATIO	ON (DUC)					
Name of the	DUC		RICAL SAFETY lyte Analyser)	Receiving Condition of DUC		of DUC	: Satisfactory		
Identification	on _	;		Reference Document		it	: As Per Manufacturer		
SI.No.	-8	: 58888C	NKC	75			Specification	≥ ₹	
Make		: Medica	₩1 <u>*</u>	Cal. Proce	edure Ref.		: BRMTL/WI/4		
Model		: Easy Li	fe	Environm	ental Con	dition	: Temp : 24.4°C	:/RH:58%	
Location	TIE .	: Biocher	nistry	Calibrate	d at		: Onsite		
		. WOED	0						
2. DETAILS OF MASTER U Standard Instrument		RUSED	Make / Model	SL. No.	. / ID No. Traceable		e To / Certificate No. Val		
Used Electrical Safety Analyzer R		Ri	gel Medical / 288+	48K-0413 BRMTL-315		ACC	S201093	12.09.202	
The Master	s are traceable	to Natio	nal / International st	andards as pe	r ISO/IEC	C 17025			
	EDICAL DEV		THE STATE OF					-	
			Cali	bration Resu	lts				
3. ELECTE	RICAL SAFET	Y	10/11						
3.1 LOAD	TEST (MAINS	VOLTA	GE)			-	ı		
SL. No.	Specificat	ion	Measured Value (V)			Allowable Limit (V)	Rem Pass	Fail	
1975				220		230±10%	√ √		
1	Live to New	3 26		229	in.	<3	√ .		
2	Neutral to I			220		230±10%	1		
3	Live to Ea	irth		229		230-1070	1788		
	***			-					
4. REMAR			7 2 21	nuticular itan	mentions	ed above	4.	U	
1. The calib	oration results	reported	corresponds to the pues obtained at the ti	me of anlikes	tion and n	inder the abov	e stated conditi	ons.	
2. This Cer	tificate refers	to the val	ues optained at the ti	la to National	Internatio	onal standard	s as required in		
		ne in SI u	nits and are traceabl	ie to mational	Internation	oner Junuari u	~	S. C. Carlotte	
ISOMECH	1023.								
ISO/IEC/1	ALIBRATED BY (CALIBRATION ENGINEER) AUTHORIZED BY (to the sample			
N 1997	(CALIBRATION E	NGINEER)	AUTHORIZED BY (QM		submitted a	and may not be n	eproduced in full	G G	
	(CALIBRATION E	NGINEFR)	AUTHORIZED BY (QM		or in part,	without written	permission from		
	(CALIBRATION E)	NGINEER)	AUTHORIZED BY (QM	1	or in part, Quality N	without written	permission from Metrology &	1	

Green: Accepted - Valid for use

Red : Rejected-Out of use (Refer report)

NEXT CALIBRATION DUEAS

PER CUSTOMERS PLAN AND

REQUIREMENT

FORM#BRMTL/FT/61:10.04.2019

Calibration

Label / Status:

White : Calibrated

Yellow: Limited use (Refer report)