

ROOTS METROLOGY & TESTING LABORATORY

(A Division of Roots Industries India Limited)





156, Bommasandra Industrial Area, Bommasandra, Jigani Link Road, Anekal Taluk, Bangalore - 560 099, Mobile : 97900 14066, E-mail : blrmetlab@rootsemail.com

CALIBRATION CERTIFICATE

					AND CONTRACTORS		
		1		ULR-CC27822103000)1785F		
Certificat	e No. : BRMTL/01	1/521100006-A3-A	Date of Issue	: 03-04-2021			
Name and address of the Customer			Date of Receipt of Iten	: 02/04/2021			
M/s. Alpha Lifecare No 17, Bashyam Street, Manjakuppam, Cuddalore - 607001			Date of Calibration	: 02/04/2021	: 02/04/2021 : 01/04/2022 : Mail Confirm # 31.03.202		
			Calibration Due	: 01/04/2022			
			(As Per Customer Req	uest)			
			Customer Reference	: Mail Confirm			
1. DESCR	UPTION OF DEV	ICE UNDER CALIBRATIO					
Name of the DUC : ELECTRICAL SAFETY (Electrolyte Analyser)			Receiving Condition o	f DUC : Satisfactory	: Satisfactory		
	+ •						
Identifica	tion	:	Reference Document	: As Per Manufa	: As Per Manufacturer		
SI.No. : 58888CNKC		: 58888CNKC	W.	Specification	Specification		
Make : Medica			Cal. Procedure Ref. N	o. : BRMTL/WI/41	: BRMTL/WI/418		
Model : Easy Life			Environmental Condi	: Temp: 24.4°C	: Temp: 24.4°C/RH: 58%		
Location	# # E	: Biochemistry	Calibrated at	: Onsite			
			Aller Carlot VI				
2. DETAI	LS OF MASTER	USED					
Standard Instrument Used Make / Model			SL. No. / ID No.	Traceable To / Certificate No.	Validity		
Electrical Safety Analyzer Rigel Medical / 288+			48K-0413 BRMTL-315	ACCS201093	12.09.202		
The Mast	ters are traceable	to National / International st	andards as per ISO/IEC	17025			
FIELD -	MEDICAL DEVI		* *				
	i¥	Cal	ibration Results				
3. VISUA	L INSPECTION		,		25		
SL. No.			Remarks				
SL. No.		Description	***	Pass	Fail		
· 1	Device Clean and	Decontaminated		√			
2	Physical damage			√ √			
3	Power cord check	√ √					
4	Display intensity	adequate for day time use		γ			

CALIBRATED BY (CALIBRATION ENGINEER)	AUTHORIZED BY (QM/TM/DY.TM/Sr.Er)		
De		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

Alarm Function



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CALIBRATION CERTIFICATE

Certifica	ate No. : BRMTL/01/521100	7000-A3-A			
4. ELEC	CTRICAL SAFETY	****		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	4
4.1 INSU	ULATION TEST				¥.
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 (μA)	Uncertainty ± (%)	Remarks
1	Normal Condition	599	<5000	8.21	Pass
2	Open Neutral (SFC*)	1128	<10000	8.21	Pass
4.3 ENC	CLOSURE 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
5. REM	ARKS	TON	La Carrier		
2. This Constitution of the Constitution of th	alibration results reported Certificate refers to the valualibrations are done in SI u C/17025. ficate will not be reproduce	nes obtained at the t nits and are traceab d except in full with	ime of calibration and unle to National/Internation	nder the above sta nal standards as of the Laborator	required in
5. The r	ficate will not be reproduce reported uncertainty of mea overage factor k=2, which the single Fault Condition.	surement is stated a	s the standard uncertain	ty in measureme	nt multiplied

CALIBRATED BY (CALIBRATION ENGINEER) DHANARAJA V		AUTHORIZED BY (QM/TM/DY.TM/Sr.Er) KAMABAKANNAN R		This Report refers only to the submitted and may not be reprodu	the company of the last	The same of the sa	
				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)		Pad Daiastad Out of usa (Defar raport)			CUSTOMERS PLAN AND QUIREMENT	



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CALIBRATION CERTIFICATE

			CALIBRAT	ION CERT	IFICAT			
Certificate N	No.: BRMTL/0	01/521100	0006-A3-B	Date of Iss	ue		: 03-04-2021	
Name and address of the Customer			Date of Receipt of Item			: 02/04/2021		
M/s. Alpha Lifecare				Date of Calibration			: 02/04/2021	
No 17, Bashyam Street,				Calibratio	n Due		: 01/04/2022	
1.5%	am, Cuddalore	- 607001		(As Per C	ustomer R	equest)		
			Customer Reference : Mail Confirm # 31.03					
1. DESCRII	PTION OF DE	VICE UN	DER CALIBRATIO	N (DUC)				
Name of the	DUC		RICAL SAFETY olyte Analyser)	Receiving	Condition	of DUC	: Satisfactory	
Identification	on	:		Reference Documen		t	: As Per Manufacturer	
Sl.No.	w	: 588880	CNKC				Specification	
Make		: Medica		Cal. Procedure Ref. No.		No.	: BRMTL/WI/418	
Model		: Easy Li	ife	Environmental Condition		dition	: Temp: 24.4°C/RH: 58%	
Location		: Bioche		Calibrated at			: Onsite	
		6	*					
2. DETAIL	S OF MASTER	RUSED				T		
-	I Instrument Used		Make / Model	odel SL. No. /			To / Certificate No. Val	
Electrical S	Safety Analyzer	Ri	gel Medical / 288+	48K-0413 BRMTL-315		ACCS201093		12.09.2021
The Master	s are traceable	to Natio	nal / International sta	andards as pe	r ISO/IEC	17025		
FIELD - M	EDICAL DEV	ICES						
			Cali	bration Resu	lts			
3. ELECTE	RICAL SAFET	Y	190					
3.1 LOAD	TEST (MAINS	VOLTA	GE)				Dom	arks
SL. No.	Specificat	ion	Measured Value (V)			Allowable Limit (V)	Pass	Fail
Salari Activo				220		230±10%	1	
1	Live to Net	300-7,000		229		<3	√ .	
2	Neutral to E		0			230±10%	V	
3	Live to Ea	irtn		229		200-1111	10	
/ DEM/ D	YZO							
4. REMAR			do to the n	orticular item	mentione	ed above.	0	
1. The calib	oration results	reported	corresponds to the pa ues obtained at the ti	me of salibra	tion and u	nder the abov	e stated conditi	ons.
2. This Cer	tificate refers t	to the val	ues obtained at the ti	le to Netional	Internation	nal standard	s as required in	
		ne in SI t	ınits and are traceabl	ie to mational	THICHHALL	mai standard		i Ligango anosas
ISO/IEC/1	/025.							
ALIBRATED BY	(CALIBRATION E	NGINEER)	AUTHORIZED BY (QM	L/TM/DY.TM/Sr Er)			to the sample	
			or in		without written	permission from	9	
At:		KAMARAKA			Quality Manager Roots Metrology & Testing Laboratory, Bangalore.			
DHA	NAŘÁJA V		TO HOTEL					

Green: Accepted - Valid for use

Red : Rejected-Out of use (Refer report)

NEXT CALIBRATION DUE AS

PER CUSTOMERS PLAN AND

REQUIREMENT

Calibration

Label / Status:

White : Calibrated

Yellow: Limited use (Refer report)