

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

			#.	ULR-CC2782210300	01784F	
Certificate No.: BRMTL/01/521100006-A2-A		Date of Issue : 03-04-2021		4		
Name and address of the Customer			Date of Receipt of Ite	m : 02/04/2021		
M/s. Alpha Lifecare			Date of Calibration	: 02/04/2021		
No 17, Bashyam Street,			Calibration Due	: 01/04/2022		
Manjakuppam, Cuddalore - 607001			(As Per Customer Re	quest)	8	
			Customer Reference	: Mail Confirm	# 31.03.2021	
1. DESCI	RIPTION OF DEVI	CE UNDER CALIBRATIC	ON (DUC)			
	e of the DUC : ELECTRICAL SAFETY (Hematology Analyser)		Receiving Condition of DUC : Satisfactor		ry	
Identification :			Reference Document	: As Per Manufa	acturer	
Sl.No. : TK - 69001460		Specification				
Make		Mindray	Cal. Procedure Ref. N	io. : BRMTL/WI/4	RMTL/WI/418	
Model	:	BC - 20S	Environmental Condition : Temp : 24.5°C		C / RH : 58%	
Location		Biochemistry	Calibrated at	: Onsite	Onsite	
	ILS OF MASTER U	SED Make / Model	SL. No. / ID No.	Traceable To / Certificate	Validity	
Electrical Safety Analyzer Rigel Medical / 288+		Rigel Medical / 288+	48K-0413 BRMTL-315	ACC\$201093	12.09.2021	
The Mas	ters are traceable to	National / International sta	andards as per ISO/IEC	17025		
FIELD -	MEDICAL DEVICE	ES				
		Cal	ibration Results			
3. VISUA	AL INSPECTION	· · · · · · · · · · · · · · · · · · ·	9			
			70°C	Rem	arks	
SL. No.		Description	on	Pass	Fail	
1	Device Clean and De	econtaminated		√		
2	Physical damage			. √		
3	Power cord check			√		
4	Display intensity add	equate for day time use		√		
5	Alarm Function			√		

CALIBRATED BY (CALIBRATION ENGINEER)	AUTHORIZED BY (QM/TM/DY.TM/Sr Er)	*	
DH - DHANARAJA V	KAMACAKANNAN 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.	01 of 02



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CALIBRATION CERTIFICATE

Certific	ate No.: BRMTL/01/52110	0006-A2-A			
4. ELEC	CTRICAL SAFETY		*		7
4.1 INS	ULATION TEST				
SL. NO.	Specification	$\begin{array}{c c} \text{Measured Value} \\ \text{(M}\Omega) \end{array} \text{Allowable Limit (I)}$		Uncertainty ± (%)	Remarks
1	Mains to Protective Earth	>100	>2	8.1	Pass
4.2 EAF	RTH LEAKAGE	8		F)	
SL. NO.	Specification	Measured Value (μA)	Allowable Limit (μA)	Uncertainty ± (%)	Remarks
1	Normal Condition	122	<5000	8.21	Pass
2	Open Neutral (SFC*)	482	<10000	8.21	Pass
4.3 ENC	CLOSURE LEAKAGE				
SL. NO.	Specification	Measured Value (μA)	Allowable Limit (μA)	Uncertainty ± (%)	Remarks
1	Normal Condition	31	<100	8.21	Pass
2	Open Neutral (SFC*)	67	<500	8.21	Pass
	calibration results reported Certificate refers to the value				ited condition
3. All C	alibrations are done in SI u				
3. All C ISO/IE0	C/17025.	nits and are traceab	le to National/Internatio	nal standards as	required in
3. All C ISO/IE0 4. Certi	C/17025. ficate will not be reproduce	nits and are traceab d except in full with	le to National/Internation	nal standards as a	required in
3. All C ISO/IEC 4. Certi 5. The r by the c	C/17025.	nits and are traceab d except in full with surement is stated a	le to National/Internation out the written approval s the standard uncertain	nal standards as a of the Laborator ty in measuremen	required in y. nt multiplied

						4
CALIBRATED BY (CALIBRATION ENGINEER) DHANARAJA V		AUTHORIZED BY (QMTM/DY.TM/SrEt) KAMAŁAKANNAN 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	White : Calibrated		Green: Accepted	- Valid for use	* NEXT CA	LIBRATION DUE AS
Label / Status :	Yellow: Limited use (Refer report)		Red Rejected Out of use (Refer report)		PER CUS REQUIRE	TOMERS PLAN AND EMENT



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CALIBRATION CERTIFICATE

COMMITTED BY THE PROPERTY.	No.: BRMTL/01/521100006-A2-B		Date of Issue		: 03-04-2021			
Name and address of the Customer			Date of Receipt of It	eipt of Item : 02/04/2021				
M/s. Alpha Lifecare			Date of Calibration		: 02/04/2021			
1	hyam Street,			Calibration Due		: 01/04/2022		
	pam, Cuddalore	- 607001		(As Per Customer R	equest)			
manjakuppum, Cudumoro cortos			Customer Reference	: Mail Confirm	# 31.03.202			
1 DESCRI	DTION OF DE	VICE UNDE	ER CALIBRATIO	ON (DUC)				
Name of the DUC : ELECT		: ELECTRIC	RICAL SAFETY cology Analyser) Receiving Condition		of DUC	: Satisfactory		
Identification :			Reference Documen		t	: As Per Manufacturer		
		: TK - 69001	1460			Specification -		
Di. 1 to		: Mindray			No.	: BRMTL/WI/418		
Model		: BC - 20S		Environmental Con-		: Temp : 24.5°C	C/RH:58%	
Location		: Biochemis	trv	Calibrated at		: Onsite		
Location	*	. Dicchonnis						
2 DETAIL	S OF MASTER	USED				19		
Standar	d Instrument Used		ake / Model	SL. No. / ID No.	SANTARE STATE LAND DE VE	To / Certificate No.	Validity	
	Safety Analyzer	Rigel	Medical / 288+	48K-0413 BRMTL-315	ACCS201093 12		12.09.202	
The Maste	rs are traceable	to National	/ International sta	andards as per ISO/IEC	17025			
	EDICAL DEV							
FIELD - M	IEDICAL DE V	CES	Cali	bration Results				
3 FIFCT	RICAL SAFET	v	1.4					
	TEST (MAINS		3		Ta .			
3.1 LOAD			2.22		Allowable	e Remarks		
SL. No.	Specificat	ion	Measure	ed Value (V)	Limit (V)	Pass	Fail	
1	Live to Neu	ıtral	-4	229	230±10%	1		
2	Neutral to E	Carth	0		<3	√ .		
3	Live to Ea	rth	229		230±10%	√		
4. REMAR				4. 1 4	d above			
1. The cali	ibration results	reported co	rresponds to the pa	articular item mentione	d above.		one	
1. The cali	ibration results	o the values	obtained at the ti	me of calibration and u	nder the abo	ve stated conditi	ons.	
1. The cali 2. This Ce 3. All Cali	ibration results rtificate refers t brations are do	o the values	obtained at the ti	articular item mentione me of calibration and u le to National/Internatio	nder the abo	ve stated conditi	ons.	
1. The cali	ibration results rtificate refers t brations are do	o the values	obtained at the ti	me of calibration and u	nder the abo	ve stated conditi Is as required in	ons.	
1. The cali 2. This Ce 3. All Cali ISO/IEC/1	ibration results rtificate refers t brations are do	o the values ne in SI unit	obtained at the ti	me of calibration and u le to National/Internation	nder the abound standard	to the sample	ons.	
1. The cali 2. This Ce 3. All Cali ISO/IEC/1	ibration results rtificate refers t brations are do 17025.	o the values ne in SI unit	obtained at the ti	me of calibration and u le to National/Internation VTM/DY.TM/Sr.Er) This Report submitted a or in part, v Quality M	t refers only and may not be retitional written anager Roots	to the sample eproduced in full permission from Metrology &	ons.	
1. The cali 2. This Ce 3. All Cali ISO/IEC/1	ibration results rtificate refers t brations are do 17025.	o the values ne in SI unit	obtained at the ti	me of calibration and u le to National/Internation /TM/DY.TM/Sr.Er) This Report submitted a or in part, v Quality M Testing Lab	nder the about and standard trefers only and may not be reithout written	to the sample eproduced in full permission from Metrology &	ons. 01 of 01	

Red : Rejected-Out of use (Refer report)

REQUIREMENT

FORM#BRMTL/FT/61:10.04.2019

Yellow : Limited use (Refer report)

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