Ace Medical Solutions (India) Pvt. Ltd.

An ISO 9001-2015 Certified Company

No: 3/751, 1st Cross Street, Surveyor Colony, K.Pudur, Madurai - 625 007.





GSTIN, 33AAHCA8053H1ZR

DL No. MDU/4205/20B,MDU/3971/21B

CIN: U33110TN2009PTC072140

CALIBRATION CERTIFICATE



ficate No: AMS/LAB/2888999
ng Date: 10/01/2021
No: 1 of 2
210

Details of Device under Calibration (DUC):

DUC:	Nephelometer	Id. No:	SVM/LAB/NPM/001
Make:	Agappe	Department:	Laboratory
Model:	MISPA i3	Calibrated On:	09/01/2021
Sl. No:	21192210634	Calibration	
Type:	Cartridge Based	Due Suggested:	08/01/2022
Range &		DUC Condition	
Least Count:	and the same of th	on Receipt:	OK

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	Electrical Safety Analyser	RigelSafeTest60	PSG/CIRD/BMCC/4424/2020	19/01/2021
2	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2

Room Humidity: 30-60%

(At the time of Calibration)

ESA Test Results:

SL.No	Parameter	ESA Reading	Unit	Normal Range	Condition
1	Current	0.169	Amps	1	Normal
2	Frequency	50.0	Hz	49 - 50	Normal
3	Mains Voltage Line - Neutral	229.6	Volts	220 - 240	Normal
4	Mains Voltage Line - Earth	230.8	Volts	220 - 240	Normal
5	Mains Voltage Neutral - Earth	4.9	Volts	< 7	Normal

^{*}Electrical Safety: Please check the attached log sheet

- 1. Functional Tests Passed
- 2. Temperature, Cartridge sensitivity Tests Passed

Note:

- 1. Calibration Points were selected as per customer request.
- 2. Each reading were taken by Repeatability Test (i.e.) each reading in a row is a mean of 10 readings.
- 3. Results Reported are valid at the time of and under the stated conditions of measurements.

Calibrated By:

(Calibration Engineer)

B. 89 -





(Technical Manager)

b. 09:

Number	Test Standard	Test	Condition	Filter Selection						Applied Parts
		Earth Bond Voltage	Normal	AC+DC	0.1740	Ω	Normal	Closed	Closed	All
1	Earth Donney									
		Leakage: Earth	Normal	AC+DC	141.24	μΑ	Normal	Closed	Closed	All
2		Leakage: Earth	Normal	AC+DC	132.42	μА	Reversed	Closed	Closed	All
3			Normal	AC+DC	0.00	μА	Normal	Closed	Open	All
4 .		Leakage: Enclosure	Normal	AC+DC	0.00	μΑ	Reversed	Closed	Closed	All
5		Leakage: Enclosure	SFC	AC+DC	273.79	μΑ	Normal	Open	Closed	All
6		Leakage: Earth	SFC	AC+DC	261.91	μΑ	Reversed	Open	Closed	All
7		Leakage: Earth		AC+DC	142.96	μА	Normal	Closed	Open	All
8	IEC60601	Leakage: Enclosure	SFC		148.59	μА	Reversed	Closed	Open	All
9	Le	Leakage: Enclosure	SFC	AC+DC	0.169	Amps	Normal	Closed	Closed	All
10		Current	Normal	AC+DC		Hz	Normal	Closed	Closed	Ali
11		Frequency	Normal	AC+DC	50	V	Normal		Closed	All
12		Mains Voltage: Live to Neutral	Normal	AC+DC	229.6			+	Closed	
13		Mains Voltage: Live to Earth	Normal	AC+DC	230.8	V	Normal	-	Closed	ļ
14		Mains Voltage: Neutral to Earth	Normal	AC+DC	4.9	V .	Normal	Ciosec	. 0,3364	
	No. of the last of				1			75.		All
46	-	Equipment Leakage	Direct Method	d AC+DC	169.05	μΑ	Normal		Open	
15	IEC62353	Equipment Leakage	Direct Metho	d AC+DC	168.68	μΑ	Reverse	d Close	d Open	All
16								-		
<u>.</u>		Ground Leakage	Normal	AC+DC	143.69	μΑ	Norma	Close	d Closed	All .
17		Ground Leakage	Normal	AC+DC	139.90	Αų	Reverse	d Close	d Closed	d All
18			SFC	AC+DC	276.24	μΑ	Norma	Oper	Close	d All
19		Ground Leakage	SFC	AC+DC	276.48	μА	Reverse	d Oper	Close	d A'I
20	NFPA-99	Ground Leakage	Normal	AC+DC	0.00	μА	Norma	l Close	d Close	d All
21		Chassis Leakage		AC+DC	0.00	μА	Reverse	ed Close	d Close	d All
22		Chassis Leakage	Normal	AC+DC	146.14	μА	Norma	i Close	ed Oper	n All
23		Chassis Leakage	SFC	AC+DC	140.75	μΑ	Revers	ed Close	ed Oper	1 All
24		Chassis Leakage	SFC	AC+DC						-
					0.00	uА	Norm	al Clos	ed Close	ed All
25		Touch Leakage	Normal	AC+DC		μА	Revers	ed Clos	ed Close	ed All
26		Touch Leakage	Normal	AC+DC	0.00	v	Norm		ed Close	
27		Touch Voltage	Normal	AC+DC	2.80				ed Clos	
28		Touch Voltage	Normal	AC+DC	2.80					-
29	IEC61010	Touch Leakage	SFC	AC+DC	136.05	-+	Norm		ed Ope	
30		Touch Leakage	SFC	AC+DC	135.12			sed Clos		
		Touch Voltage	SFC	AC+DC	2.80	V	Norm		sed Ope	
31	House	Touch Voltage	SFC	AC+DC	2.80	<u> </u>	Rever	sed Clo	sed Ope	en All
32							1		- 1	
	Insutation Testin	e Insulation Resistance	Normal	AC+DC	. >20	MΩ	Norr	nal Clo	sed Clos	sed All
33			1		a Table					
<u> </u>	8	Point to Point Earth Bond Tes	t Norma	AC+DC	>19.9	Ω	Norr	nal Clo	sed Clo	
34		ting Point To Point Leakage Test		I AC+DC	. 0	mA	Nori	nal Clo	sed Clo	sed All
35	Point to Point Tes		Norma	I AC+DO	; >20	MΩ	Non	mal Clo	sed Clo	-
36		Standard Insulation Test		1	- January			/	H	ALY
			09.01.20)21 Tested	Ву	A. 8	2	//.	9/	180
Test Pass	ed Yes	Tested On	09.01.20			ري ري	l		A	Me
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				8			11:	1	W 3/2
								11	1	14





CALIBRATION CERTIFICATE

ADL/CO/SER/820/20-21

Customer Name & Address	Sri Vinayaga Micro Lab, Palani	
-------------------------	--------------------------------	--

INSTRUMENT	INSTALLED ON	CALIBRATED ON
Mispa 13	20/Jan/2020	20/Jan/2020

EQUIPMENT DETAILS

Instrument name	Mispa I3
Serial No	21192210634
Environmental condition:	Temperature: 22°C
Equipment calibration	Mispa is.
Parameter calibration	Inhouse (Calibrated IC card provided along with each kit)

This is to certify that the above-mentioned instrument has been calibrated & tested for the performance of kits with Control.

AGAPPE DIAGNOSTICS LTD. 150 9001:2015 | EN 150 13485:2016 CERTIFIED COMPANY | CIN : U24239MH1998PLC115413

CORPORATE OFFICE / REAGENT PLANT Agappe Hills, Pattimattom (PO), Dist. Ernakulam, Kerala - 683 562, India. Tel: + 91 484 286 7000 | Email: agappe@agappe.in

MUMBAI [REGISTERED OFFICE]
401 & 402, 4° Floor, Jaisingh Business Centre, 119,
Sahar Road, Parsiwada, Andheri (East), Mumbai - 400 099, India.
Tel: +91 22 4300 8000 [Email: mumbaioffice@agappe.in

EQUIPMENT PLANT K/588-CB, Block No. 32, KINFRA Small Industrial Park, Nellad, Cochin, Kerala, India - 686 721. Tel: +91 484 276 7477.

DELHI OFFICE DSM 540, 5° Floor, DLF Tower, Shivaji Marg, New Delhi - 110 015, India. Tel: +91 11 4558 84161 Email: delhioffice@agappe.in

KOLKATA OFFICE 406. Merlin Matrix, Plot No-10, Block-DN, Sector V, Salt Lake City, Kolkata - 700 091. Tel: +91 33 4003 0451 | Email: kolkattaoffice@agappe.in

BANGALORE OFFICE 5-6. II* Floor, Red Cross Bhavan, No:26 Race Course Road, Bangalore - 560 001. Tel: +91 80 2228 8288 Email: bangaloreoffice@agappe.in





Equipment Test Report

Checked the IC Card Reader

: Found Ok

Checked the Probe

: Found Ok

Checked Mother Board

: Found Ok

Checked the Wash Assembly

: Found Ok

Channel-1 (with cartridge)

. Found O.K.

Channel-1 (without cartridge)

Channel-2 (with cartridge)

Channel-2 (without cartridge)

Performance validation with Control

Protein Control

LOT NO: 3007003 + EXP:

2023-04

Parameter	Low	High	Result	Target
CRP	8.4	14.4	12.6	12.9
RF	47.2	65.6	56.7	56.4
ASO	142.5	183.9	161	163.2

Next Calibration due on: 19/Jul/2020

For Agappe Diagnostics Ltd.

Authorized Signatory

Senthilkumar R

Engineer - Customer Service

AGAPPE DIAGNOSTICS LTD. 150 9001:2015 EN 150 13485:2016 CERTIFIED COMPANY | CIN : 1124239MH1998PLC115413

CORPORATE OFFICE / REAGENT PLANT Agappe Hills, Pattimattom (PO), Dist. Ernakulam, Kerala - 683 562, India. Tel: + 91 484 286 7000 | Email: agappe@agappe.in

MUMBAI [REGISTERED OFFICE] Mumbai (REDISTARD OFFICE) 401 & 402, 47 Floor, Jaisingh Business Centre, 119, Sahar Road, Parsiwada, Andheri (East), Mumbai - 400 099, India. Tel: +91 22 4300 8000 | Email: mumbaioffice@agappe.in EQUIPMENT PLANT X/588-CB, Block No. 32, KINFRA Small Industrial Park, Nellad, Cochin, Kerala, India - 686 721. Tel: +91 484 276 7477.

DELHI OFFICE DSM 54D, 5th Floor, DLF Tower, Shivaji Marg, New Delhii - 110 015, India. Tel: +91 11 4558 8416 | Email: delhioffice@agappe.in

ROLKATA OFFICE 406, Merlin Matrix, Plot No-10, Block-DN. Sector V, Salt Lake City, Kolkata - 700 091. Tel: +91 33 4003 0451 | Email: kolkattaoffice@agappe.in

BANGALORE OFFICE

56. If Floor, Red Cross Bhavan, No:26 Race Course Road, Bangalore - 560 001. Tel: +91 80 2228 8288 Email: bangaloreoffice@agappe.in





CALIBRATION CERTIFICATE

ADL/CO/SER/821/20-21

Customer Name & Address	Sri Vinayaga Micro Lab, Palani

INSTRUMENT	INSTALLED ON	CALIBRATED ON
Mispa I3	20/Jan/2020	20/Jul/2020

EQUIPMENT DETAILS

Instrument name	Mispa I3
Serial No	21192210634
Environmental condition:	Temperature: 22°C
Equipment calibration	Migra is.
Parameter calibration	Inhouse (Calibrated IC card provided along with each kit)

This is to certify that the above-mentioned instrument has been calibrated & tested for the performance of kits with Control.

AGAPPE DIAGNOSTICS LTD. 150 9001:2015 [EN 150 13485:2016 CERTIFIED COMPANY] CIN: U24239MH1998PLC115413

CORPORATE OFFICE / REAGENT PLANT Agappe Hills, Pattimattom (PO), Dist. Ernakulam, Kerala - 683 562, India. Tel: + 91 484 286 7000 | Email: agappe@agappe.in

MUMBAI [REGISTERED OFFICE]
401 & 402, 4° Floor, Jaisingh Business Centre, 119,
Sahar Road, Parsiwada, Andheri (East), Mumbai - 400 099, India.
Tel: +91 22 4300 8000 [Email: mumbaioffice@agappe.in

EQUIPMENT PLANT X/588-CB, Block No. 32, KINFRA Small Industrial Park, Nellad, Cochin, Kerala, India - 686 721. Tel: +91 484 276 7477.

DELHI OFFICE DSM 540, 5° Floor, DLF Tower, Shivaji Marg, New Delhi * 110 015, India. Tel: *91 11 4558 8416 i Email: delhioffice@agappe.in ROLKATA OFFICE 406, Merlin Matrix, Plot No-10, Block-DN, Sector V, Salt Lake City, Kolkata - 700 091. Tel: +91 33 4003 0451 | Email: kolkattaoffice@agappe.in

BANGALORE OFFICE 5-6. If Floor, Red Cross Bhavan, No:26 Race Course Road, Bangalore - 560 001. Tel: +91 80 2228 8288 Email: bangaloreoffice@agappe.in





Equipment Test Report

: Found Ok Checked the IC Card Reader

: Found Ok Checked the Probe

: Found Ok **Checked Mother Board**

: Found Ok Checked the Wash Assembly

: Foundoix. Channel-1 (with cartridge)

Channel-1 (without cartridge)

: Found O.K. Channel-2 (with cartridge)

: found o. K Channel-2 (without cartridge)

Performance validation with Control

Protein Control

LOT NO: 30070037

EXP: 2023-04

Parameter	Low	High	Result	Target
CRP	8.4	17-4	12.4.	12.9.
RF	47.2	65.6	15-1	56.4
ASO	142.5	1839	162.0	163.2

Next Calibration due on: 19/Jan/2021

For Agappe Diagnostics Ltd,

Authorized Signatory

Senthilkumar R

Engineer - Customer Service



AGAPPE DIAGNOSTICS LTD. 150 9001:2015 | EN 150 13485:2016 CERTIFIED COMPANY | CIN: UZ4Z39MH1998PLC115413

CORPORATE OFFICE / REAGENT PLANT Agappe Hills, Pattimattom (PO), Dist. Ernakulam, Kerala - 683 562, India. Tel: + 91 484 286 7000 | Email: agappe@agappe.in

MUMBAI (REGISTERED OFFICE) 401 & 402, 4" Floor, Jaisingh Business Centre, 119, Sahar Road, Parsiwada, Andheri (East), Mumbai - 400 099, India. Tel: +91 22 4300 8000 i Email: mumbaioffice@agappe.in

X/588-CB, Block No. 32, KINFRA Small Industrial Park Nellad, Cochin, Kerala, India - 686 721. Tel: +91 484 276 7477.

DELHI OFFICE DSM 540, 5th Floor, DLF Tower, Shivaji Marg, New Delhi - 110 015, India. Tel: +91 II 4558 8416 | Email: delhioffice@agappe.in

406, Merlin Matrix, Plot No-10, Block-DN, Sector V, Salt Lake City, Kolkata - 700 091. Tel: +91 33 4003 0451 | Email: kolkattaoffice@agappe.in

BANGALORE OFFICE SANGLURE OFFICE S 5-6, H** Floor, Red Cross Bhavan, No:26 Race Course Road, Bangalore - 560 001. Tel: +91 80 2228 8288 Email: bangaloreoffice@agappe.in