

## CALIBRATION CERTIFICATE

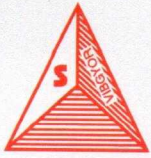
*This is to certify that the Instrument Model: Metrolab-2300 Sr. no 18113001 has been successfully calibrated at Nirvana Diagnostic Centre Opp. Medical Mode Rohtak Haryana. The instrument stand validated, next calibration is due in 01-02-2022.*

*Issued by: Shani Kumar Singh*

*(Service Engineer)*

*Date of issue of Report: 02-02-2021*





**SPECTRUM  
MEDICAL INDUSTRIES PVT. LTD.**

YEARS OF  
EXCELLENCE  
1996-2021



## CALIBRATION CERTIFICATE

*This is to certify that the Instrument Model: Metrolab-2300 Sr. no 18113001 has been successfully calibrated at Nirwana Diagnostics Opp. Medical Mode Rohtak Haryana. The instrument stand validated, next calibration is due in 31-01-2021.*

*Issued by: Seemant Tripathi*

*(Service Engineer)*

*Date of issue of Report: 01-02-2020*



TestAbstract

Instrument Serial Number:18113001

User: Viviana

Long Run Test: passed (01/02/2020 21:10:13)

Especificaciones del Test

Cumplimiento del Test

Dilutions:

1000 cycles (1000 to 5000)

Errors:

0 (0)

operation\_Time:

7,1 hours (6 to 20)

Energ Test: Passed

(15/6/2015 9:09:27)

Especificaciones del Test

Cumplimiento del Test

Filter\_Errors:

0 (0)

Optical Filters Test: passed ((01/02/2020 13:33:10)

Especificaciones del Test

Cuvette Position:

3

Sensitivity:

0,6 mAU/nm

Cumplimiento del Test

Filter\_Errors:

0 (0)

Cuvettes Test: passed ((01/02/2020 12:01:15)

Especificaciones del Test

Emotv:

0 AU

Normal:

0,11 AU

Tolerance:

0,04 AU

cumplimiento del Test

Difference:

0,038 AU (0 to 0,04)

Cuvette Dvrer Test: passed ((01/02/2020 8:10:26)

Esopecificaciones del Test

Second\_Read\_Time:

3 minutes

Cumplimiento del Test

Delta-Absorbance T:

0~0045 AU (0 to 0,04)

Delta-Absorbance\_TO:

0,0037 AU (0 to 0,08)

Washer Test: Passed ((01/02/2020 09:46:31)

Especificaciones del Test

Replicates: 10

Cumplimiento del Test

Remnant Volume Station13 uL (-10 to 50)

Remnant Volume Station211 uL (-10 to 50)

Remnant Volume Station38 uL (-10 to 50)

Remnant Volume Station48 uL (-10 to 50)

Remnant Volume Station56 uL (-10 to 50)

Wash Volume Station1: 567 uL (500 to 700)

Wash Volume Station2: 585 uL (500 to 700)

Wash Volume Station3: 680 uL (500 to 700)

Wash Volume Station4: 616 uL (500 to 700)



TestAbstract

Stray Light Test: Passed ((01/02/2020 8:45:56)  
Especificaciones del Test  
Sample Position 1: 2 (sol. A)  
Sample Position 2: 3 (sol. D)  
Wavelength: 340 nm

Cumplimiento del Test  
K2Cr207 5g/L:  
NaNo2\_50g/L:

Noise Test: Passed ((01/02/2020 10:02:58)  
Especificaciones del Test  
Filter: 1  
Max Absorbance: 1,6 AU  
Measurements: 30  
Min-Absorbance: 1,3 AU  
Reagent Position: 1 (sol. E)  
Sample Position: 1 (sol. B)

Cumplimiento del Test  
O%T SD:  
Dynamic SD:  
static\_~:

Photom. Stability Test: Passed 01/02/2020 8:45:30)  
Especificaciones del Test  
Filter: 1  
Interval: 20 sec  
Measurements: 30  
Reagent position: 1 (sol. E)  
Sample Position: 1 (sol. B)

Cumplimiento del Test  
Filter Move Diference: 0,0019 AU (0 to 0,006)  
Filter Move Diference: 20,0014 AU (0 to 0,006)  
Filter Move Mean Dif: 0,001 AU (0 to 0,006)  
Long Term Diference: 0,0064 AU (0 to 0,02)  
Long Term Diference 2: 0,0063 AU (0 to 0,02)  
Long\_Term\_Mean\_Dif: 0,0001 AU (0 to 0,006)

Dilution Test: Passed 01/02/2020 12:37:24)  
Especificaciones del Test  
Incubation Time: 300 sec  
Reagent Description: 5 K2CrO4  
Reagent position: 1 (sol. E)  
Reaq-nt volume: 300 uL  
Replicates: 30  
Sample Position: 2 (sol. A)  
Sample Volume: 3 uL  
Wavelength 1: 340 nm  
Wavelength\_2: 0 nm

Cumplimiento del Test  
CV:  
SD:

Tip Drag Test: Passed ((01/02/2020 11:32:48)  
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Testabstract

Especificaciones del Test

Incubation Time: 120 sec  
Reagent Position: 1 (sol. E)  
Sample position: 2 (sol. A)  
Total volume: 300 uL  
wavelength 1: 0 nm  
wavelength 2: 0 nm

Cumplimiento del Test 0,999 (0,99 to 1)  
correlation: 0,19 uL (0 to 0,5)  
Drag:

Simultaneous Test: Passed (01/02/2020 11:41:00)

Especificaciones del Test

Absorbance: 1,5 AU  
Filter: 1  
Incubation Time: 300 sec  
Measurements: 10  
Reagent Position: 1 (sol. E)  
Reagent Volume: 100 uL  
Sample Position: 1 (sol. B)  
Sample volume: 10 uL

Cumplimiento del Test

Max-Absorbance: 2 mAU (0 to 5)  
Min-Absorbance: -0,9 mAU (-5 to 0)

Movements Test: Passed (01/02/2020 12:18:19)

Especificaciones del Test

Measurements: 100  
Reagent Position: 2 PT reagent  
Sample Position: 1 (sol. B)  
Step Tolerance: 5 steps  
Temp Tolerance: 0,5 oC  
Velocity: 14  
Volume: 200 UL

Cumplimiento del Test

Level Errors: 0 (0)  
Status Errors: 0 (0)  
Temp Errors: 0 (0)  
Washer\_Errors: 0 (0)

ISE Dilution Test: not performed.

AUR Test: Passed (01/02/2020 8:35:01)

Especificaciones del Test

Factor: 35 External  
Incubation Time: 300 sec  
Level: 1 Lycopcheck  
R1 position: 3 First Reagent  
R1 Volume: 200 uL  
R2 position: 0 second Reagent  
R2 Volume: 0 uL  
Reagent Lot: 1  
Replicates: 20  
sample Lot: 1  
Sample position: 4 Lycopcheck  
Sample volume: 4 uL



Wavelength 1: 505 nm TestAbstract  
Wavelength 2: 700 nm

Cumplimiento del Test  
Blank: 0,01 AU (0 to 0,2)  
CV: 0,7 % (0 to 1,5)  
Mean: 4,5 mg/dL (3,7 to 5,4)

GPT Test: passed ((01/02/2020 12:20:45)  
Especificaciones del Test  
Factor: -1746 External  
Incubation Time: 90 sec  
Level: 1 Lvoocheck  
R1 Position: 28 First Reagent  
R1 volume: 200 uL  
R2 position: 4 Second Reagent  
R2 volume: 50 uL  
Readings Gap: 60 sec  
Reagent Lot: 1  
Replicates: 20  
Sample Lot: 1  
Sample Position: 4 Lvoocheck  
Sample Volume: 25 ut  
Wavelength\_1: 340 nm

Cumplimiento del Test  
CV: 2,3 % (0 to 4)  
Mean: 27 mg/dL (25 to 35)



Sample ID: **SHANTI DEVI**Date: **7/22/2021**

Sample: 5 - Serum

Terminal: 0

Name:

Age:

Sex:

Test	Cuvette	Measure	Result	Units	Ref. Value	Level	Linearity	Status	Repeat
ALBU-ME	1	0.464	3.43	G/DL	0 to 0	High		Done	
ALP-ME	73	0.023	87.60	U/L	0 to 0	High	0.995	Done	
CA-ME	78	0.566	9.70	MG/DL	0 to 0	High		Done	
CREA-ME	80	0.028	0.95	MG/DL	0 to 0	High		Done	
DBIL-ME	79	0.003	0.19	MG/DL	0 to 0	High		Done	
GGT-ME	77	0.051	76.71	U/L	0 to 0	High	1	Done	
PHOS-ME	70	0.172	2.55	MG/DL	0 to 0	High		Done	
SGOT-ME	72	-0.012	28.72	U/L	0 to 0	High	1	Done	
SGPT-ME	71	-0.017	46.66	U/L	0 to 0	High	1	Done	
TBIL-ME	69	0.02	0.50	MG/DL	0 to 0	High		Done	
TPR-ME	68	0.335	6.12	G/DL	0 to 0	High		Done	
UREA-ME	76	-0.012	27.66	MG/DL	0 to 0	High	0.999	Done	
URIC-ME	74	0.035	2.21	MG/DL	0 to 0	High		Done	

NuLYTE SMART

Na = -8.923 mV

K = 3.781 mV

iCa = 8.318 mV

Na = -7.512 mV

K = 5.092 mV

iCa = 10.234 mV

PATIENT ID: 606

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ANALYZE SAMPLE-----  
Na = **141.812** mmol/L HIGHK = **4.161** mmol/L HIGHiCa = **1.079** mmol/L HIGH

Jul-31-21 09:59:49

Sample ID **SUDESH**Date: **7/21/2021**

Sample: 18 - Serum

Terminal: 0

Name:

Age:

Sex:

Test	Cuvette	Measure	Result	Units	Ref. Value	Level	Linearity	Status	Repeat
CHOL-ME	25	0.711	213.10	MG/DL	0 to 0	High		Done	
HDL -ME	24	0.059	52.95	MG/DL	0 to 0	High		Done	
TG-ME	23	0.308	189.60	MG/DL	0 to 0	High		Done	



Sample ID: **AJAY PP**

Date: **7/20/2021**

Sample: 9 - Serum

Terminal: 0

Name:

Age:

Sex:

Test	Cuvette	Measure	Result	Units	Ref. Value	Level	Linearity	Status	Repeat
GLU-ME	64	0.706	231.90	MG/DL	0 to 0	High		Done	