

Date: 13/04/2024

CALIBRATION CERTIFICATE OF BA400

CUSTOMER NAME – Spectro Q Diagnostics Bhubaneswar.

Serial Number = 834002699

User Software = V 5.7.1.0

Initialization Motor

Vertical Motors – S /R1 /R2 in Home

Polar Motors – S /R1 /R2 in Home

Reaction Rotor in home

Sample /Reagent rotor in Home

Ceramic Dispensing pump – S/ R1 /R2 in Home

Optics Initialization: Ok

Auto adjustment of the probe is done

Peltier cells and drivers test

Rotor Peltier/ Reagent Rotor Peltier driver test: Ok

Temperature system initialized

LED test: ok

Hardware completely initialized

Parameters	Current value	Minimum	Maximum
Reading reference Position - Well 1	7432	7860	7905
Washing Solution Tank 0	0	-5	5
Washing Solution Tank 50	46.5	40	60
Washing Solution Tank 100	100	95	105
Waste Tank 0	0	-5	5
Waste Tank 50	50	40	60
Waste Tank 100	98	95	105
Thermal adjustment of reaction rotor	36.9	36.8	37.2
Thermal adjustment of Wash station	50.1	45.0	55.0
Thermal adjustment of reagent tip 1	36.9	30.0	35.0
Thermal adjustment of reagent tip 2	37	30.0	35.0
LED 340NM Intensity reference value	2297	1000	25000
LED 405NM Intensity reference value	3301	1000	15000

LED 505NM Intensity reference value	9252	1000	25000
LED 535NM Intensity reference value	1583	1000	15000
LED 560NM Intensity reference value	4687	1000	30000
LED 600NM Intensity reference value	26856	1000	30000
LED 635NM Intensity reference value	4198	1000	20000
LED 670NM Intensity reference value	5340	1000	30000
Photometric Dark Current Adjustment	3881	3300	4500
Photometric Dark Current Adjustment Main Values	3948	3300	4500
Main Photo Diode Counts 340NM	886455	350000	950000
Main Photo Diode Counts 405NM	905462	350000	950000
Main Photo Diode Counts 505NM	899626	350000	950000
Main Photo Diode Counts 535NM	897044	350000	950000
Main Photo Diode Counts 560NM	897920	350000	950000
Main Photo Diode Counts 600NM	901548	350000	950000
Main Photo Diode Counts 635NM	903311	350000	950000
Main Photo Diode Counts 670NM	896064	350000	950000
Reference Photo Diode Counts 340NM	176658	100000	950000
Reference Photo Diode Counts 405NM	654871	100000	950000
Reference Photo Diode Counts 505NM	663303	100000	950000
Reference Photo Diode Counts 535NM	538950	100000	950000
Reference Photo Diode Counts 560NM	616215	100000	950000
Reference Photo Diode Counts 600NM	604703	100000	950000
Reference Photo Diode Counts 635NM	626819	100000	950000
Reference Photo Diode Counts 670NM	701739	100000	950000

Next calibration due on: 12/04/2025

For BIOSYSTEMS DIAGNOSTICS PVT. LTD.

Authorized Signatory