

Date: 16/04/2023

## CALIBRATION CERTIFICATE OF BA400

### **CUSTOMER NAME – Spectro Q Diagnostics Bhubaneswar**

Serial Number = 834002699

Software version: 5.7.1.0

Firmware version: 4.05.3

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	7882	7860	7905
Washing Solution Tank 0	0	-5	5
Washing Solution Tank 50	56	40	60
Washing Solution Tank 100	99	95	105
Waste Tank 0	0	-5	5
Waste Tank 50	55	40	60
Waste Tank 100	102	95	105
Thermal adjustment of reaction rotor	37.1	36.0	39.0

Thermal adjustment of Wash station	47	44	50
Thermal adjustment of reagent tip 1	37	36	39
Thermal adjustment of reagent tip 2	37	36	39
LED 340NM Intensity reference value	15532	6000	25000
LED 405NM Intensity reference value	16253	14000	30000
LED 505NM Intensity reference value	17453	12000	30000
LED 535NM Intensity reference value	4943	4000	30000
LED 560NM Intensity reference value	8523	3000	15000
LED 600NM Intensity reference value	20242	6000	25000
LED 635NM Intensity reference value	15325	6000	20000
LED 670NM Intensity reference value	14441	4000	15500
Photometric Dark Current Adjustment	4032	3300	4500
Main Photo Diode Counts 340NM	925335	600000	950000
Main Photo Diode Counts 405NM	802135	850000	950000
Main Photo Diode Counts 505NM	811535	850000	950000
Main Photo Diode Counts 535NM	854253	850000	950000
Main Photo Diode Counts 560NM	915325	550000	950000
Main Photo Diode Counts 600NM	902535	750000	950000
Main Photo Diode Counts 635NM	852325	850000	950000
Main Photo Diode Counts 670NM	905252	450000	950000

Next calibration due on: 15/04/2024

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