

TRICARE SERVICE SOLUTION

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BA-88A

Semi-Auto Chemistry Analyzer



Instrument Calibration/Validation Certificate

Customer name	Hi Tech Laboratory & ECG
Address	KFPSA Shopping Complex, Near Union Bank, Kulathupalam, Kumily 685509
Instrument	MINDRAY BA 88A
Serial Number	WR-21042153
	<input checked="" type="checkbox"/> WARRANTY <input checked="" type="checkbox"/> AMC <input checked="" type="checkbox"/> RRC
Calibration	11.11.2021
Installation Date	11.11.2021
Due Date	10.11.2022



When you look for **QUALITY IN SERVICE**

Instrument Condition

Room is Air-Conditioned	YES <input checked="" type="checkbox"/>	NO
Power Supply Earthing less than 3 V	YES <input checked="" type="checkbox"/>	NO
Room working environment is Good	YES <input checked="" type="checkbox"/>	NO

Initial Check

• Switch on the instrument with Fluidic wash	<input checked="" type="checkbox"/> YES	NO
• Instrument is Initializing Properly	<input checked="" type="checkbox"/> YES	NO
• Display is showing all characters	<input checked="" type="checkbox"/> YES	NO
• aspiration volume checked	<input checked="" type="checkbox"/> YES	NO
• Peristatic motor checked	<input checked="" type="checkbox"/> YES	NO
• Lamp is Glowing	<input checked="" type="checkbox"/> YES	NO
• Touch Calibration working properly	<input checked="" type="checkbox"/> YES	NO
• Filter check passed	<input checked="" type="checkbox"/> YES	NO

Validation

Performing parameter Check while startup:

TEST	DARK CURRENT	BACKGROUND
FILTER 340nm	111	51612
FILTER 405nm	97	57544
FILTER 505nm	83	56430
FILTER 546nm	89	56714
FILTER 578nm	81	55901
FILTER 620nm	82	58312
FILTER 660nm	79	54714
FILTER 700nm	76	57860



When you look for QUALITY IN SERVICE

Performance Check

- Reagent/sample aspiration 500ul YES
- Blanking is proper YES
- Results are satisfactory YES
- Run 20 times sample /reagent aspiration YES
- Run Calibrations YES
- Run QC material for several applications YES

TEST	TARGET VALUE	TARGET CV%	MEAN RESULT	CV%
SAMPLE	500ul	<1	497	0.83
REAGENT	500ul	<1	496	0.81

Chemical Installation

- Run Reagent blank
- Run Calibrators
- Run QC materials for several clinical chemistry applications

TEST	QC LEVEL RANGE 1	TEST RESULT	QC LEVEL RANGE 2	TEST RESULT
GLUCOSE	73.5-102	88	240-333	270
CHOLESTEROL	225-272	243	89-114	100
TGL	160-206	179	83-117	101
ALBUMIN	3.72-4.65	4.1	2.5-3.2	2.8
SGPT	22-35	26	85-111	98
URIC ACID	5.43-7.63	6.68	8.21-9.9	9.3
SGOT	3.8-46.8	42	172-220	192

Remarks:


- Instrument is calibrated and working in good condition
- Tested samples and found results are satisfactory

This calibration is valid from 11.11.2021 to 10.11.2022

Next Calibration is due on 12.11.2022

Technical Acceptance By,

Jobin Joseph
Service Engineer



When you look for **QUALITY IN SERVICE**