

CALIBRATION CERTIFICATE

Certificate No: 4409

Customer

: CPC Medical Laboratory

Sreedevi Buildings,

Date Calibrated

: 15/01/2021

Mayoor Road,

Working Temperatures : 25 ± 1° C

Calicut, Kerala

Due Date

: 14/01/2022

Instrument

: Electrolyte Analyzer

Serial No

: KJ18C19030007

Model

: AFT-800E

Manufacturers : MEIZHOU CORNLEY® HI-TECH CO., LTD.

Golden Harvest Industries is an organization dealing in MEIZHOU CORNLEY® HI-TECH CO., LTD. Electrolyte Analyzers. It has a Technically Qualified Technical Team to ensure trouble free operation. The Described instrument has been checked and calibrated under the ambient conditions stated above.

Power Supply			
UPS Supply	Expected reading	Measured reading	Remarks
Phase to Neutral	230 ± 10 VAC	230 VAC	
Phase to Earth	230 ± 10 VAC	230 VAC	Within Limits
Neutral to Earth	0 - 5 VAC	0 VAC	

Parameter	mV Range	Cal A	Cal B	Remarks
Sodium [Na+]	45-140 mV	61.4 mV	76.4 mV	
Potassium [K+]	45-120 mV	53.0 mV	46.7 mV	Within Limits
Chloride [Cl-]	50-120 mV	108 mV	112.0 mV	

Parameter	Cal B - Cal A	Measured Voltage	Remarks
Sodium [Na+]	12.0 ~ 21.0 mV	15 mV	
Potassium [K+]	-4.2 ~ -7.3 mV	-6.3 mV	Within Limits
Chloride [CI-]	5.4 ~ 10.8 mV	4.0 mV	

Sample Sensor	Without Liquid mV	Measured reading	Resistance Range	Resistance
Front Sensor	1.70 ± 0.1 V	1.70 V	10 ~ 230	24
Back Sensor	1.70 ± 0.1 V	1.70 V	10 ~ 230	79

Sample Sensor	With Liquid mV	Measured reading	Range
Front Sensor	≤ 1.0 V	0.8 V	Within Limits
Back Sensor	≤ 1.0 V	0.7 V	Within Limits

	With Liquid mV	Measured reading	Range
5 V	5.0 V	4.75 ~ 5.25 V	
12 V	11.98 V	11.40 ~ 12.60 V	
-12 V	-12.01 V	-11.40 ~ 12.60 V	Within Limits
24 V	24.40 V	22.80 ~ 25.20 V	
3.3 V	3.3 V	3.2 ~ 3.4 V	

HEAD OFFICE: First Floor, New No. 83, Old No. 33, New Boag Road, Opp. Kannammapet Corporation School, Channai 600 017 INDIA Off. 044 24222004 Fav. 044-42868378



Test	Status	Remark
System Initialization	Normal	Nil
Display	Normal	Nil
Fluid Flow	Normal	Nil
Printer Check	Normal	Nil

This Instrument and the above measuring parameters are calibrated as per Manufacturer Guidance. The estimated uncertainty to be associated with the results is at a confidence level of approximately 99%.

REMARKS/DEVIATIONS IF ANY:

- 1. The recalibration interval should be determined based on the user's requirements.
- 2. The user should determine the stability of the instrument for its intended use.

3. The results stated in this certificate relate only to the instrument calibrated.

Calibrated By:

Sr Engine

Sr. Engineer Technical Support

Verified & Certified By:

Vinoth Kumar. S

Zonal Manager - Technical Support



INSTALLATION & OPERATIONAL QUALIFICATION DOCUMENTS

Model

AFT-800 E Electrolyte Analyzer

Manufacturer

Meizhou Cornley Hi-Tech Co., Ltd.

Serial No

KJ-18C19030007

Installation Date

15.06.2019



Installation / Validation Report

CORNLEY -AFT-800 E Electrolyte Analyzer	- IQ/ OQ / Documents
Customer Address: Calicut Pathology Centre(CPC) Calicut Sreedevi Buildings, Mavoor road.	Contact Person: Mr.Mohanan.,
Calicut-673004	Telephone No: 984751747
Serial No : KJ-18C19030007	Installation date: 15.06.2019
Installation Qualif	ication
Transport damage	
Package damaged: ☐ Yes ☐ No ☐ Yes ☐ No ☐ No	
If yes, please specify:	
Initial check	Part description
Missing Parts (if any) (Check against packing list) ————	
☐ Yes → Please specify parts ————	
No No	
* Please return parts, including a malfunction report.	
⊠ Earthing Voltage (0-5V): 0V	
⊠ Room Air conditioned: ⊠ Yes	No
Stabiliser / UPS: ONLINE UPS	Rating : 1 KVA
(We recommend connecting AFT-800E to UPS of 0.5 KVA)	
The system Described meets all the criteria outlined in this in	stallation qualification Documents. All items
have been checked & Installation has been completed.	
The System is ready for Performing Operational Qualification.	
Performer: Mr.Jithin Raj Date : 29.11.2021	Reviewer: Mr.N.Ganesan



Installation / Validation Report

CORNLEY - AFT-800 EElectrolyte Analyzer

- IQ/ OQ / Documents

Customer Address: Calicut Pathology Centre(CPC) Calicut

Contact Person: Mr. Mohanan.,

Sreedevi Buildings, Mavoor road,

Calicut-673004

Telephone No: 984751747

Serial No

: KJ-18C19030007

Installation date:

15.06.2019

Operational Qualification

Switch ON the Analyzer, Check the initialising process : Normal

□ 2 Point Calibration status : Normal

Checked All Electrodes Millivolts and Performance

Tests/Comments (if any):

The instrument is performing in the prescribed standards; validation of the same has been performed.

This is to certify that the instrument can be used for operational analysis.

The system Described meets all the criteria outlined in this installation qualification Documents. All items have been checked & Installation has been completed.

The System is ready for Performing Performance Qualification.

Performer: Mr.Jithin Raj

Date: 29.11.2021 Reviewer: Mr.N.Ganesan



[Pipneer in Medical Diagnostics]

Certificate

This is to certify that the following instrument have been validated as per the manufacturer's protocol & is found to be working satisfactorily.

Instrument Name : Electrolyte Analyzer

Model : AFT-800 E

Serial No : KJ-18C19030007

Manufacturer : Meizhou Cornley Hi-Tech Co., Ltd.

This IQ & OQ Certificate valid from: 15.06.2019 to 14.06.2020

For Golden Harvest Industries

Zonal Manager - Technical Support