

Certificate Of Calibration

Behine Sanjesh Azma Eng.



نیك آزما
Neek Azma



3rd Floor, No 259, Behsa Building, Corner of Modares, Highway, Opposite Sarafraz St, Dr. Beheshti Ave
Tehran-Iran www.behsalab.com Tel: +9821-88531320 - 88170671 - 88170634 Fax: +9821 88533329

Page 1 of 3

Certificate NO. B7034/98/1

Re-Cal.Date

Date of Issue

Calibration Date

98/08/30

98/08/29

Customer & Equipment Specification

Client : تجهیزات ابزاردقیق آکو

Calibration Code : 157295

Client Add : -----

Equipment : Temperature&Humidity
Transmitter

Manufacturer : AKO

Model : TH-RD1-M

Resolution : 0.1°C, 0.1%RH

Serial No : -----

Range : -----

Calibration Report

1) Reference Standards & Traceability :

1. Cold Incubator , Cert.NO.: B0101/462
2. Digital thermo hygrometer testo 400 , S/N.: 02067322/104, Cert. NO.: 1244.980673001
3. Environmental Test Chamber B.HT.CH

The reference standards are traceably calibrated to national and international metrology institute

2) Calibration Method :

Working instruction NO. BWI-CT-08

3) Environmental Condition :

Temperature: (23±2)°C Humidity: (38±3)%RH Pressure : (871±5) mbar

4) Uncertainty :

The reported expanded uncertainty of measurement is estimated in accordance with EAL publication. EA4/02 with attention to coverage factor k=2, for normal distribution, provided a level of confidence of approximately 95%

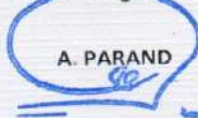
5) Calibration result: As appendix pages

Lab. Manager

A. PARAND

Lab. Stamp

Calibrated By



| | |
|---------------------|-----------------------------|
| BEHINE SANJESH AZMA | |
| www.behsalab.com | |
| ID No | 157295 |
| Cert No | B7034/98/1 |
| Cal Date | 1398/08/29 |
| Due Date | |
| BT-FC-0515-00 | Invalid Without Certificate |
| Revise Date | |

- 1- The user must act in order to recalibrate during a specified period of time .
- 2- This certificate shall not be published or reproduced other than in full .
- 3- This certificate is not valid without special stamp & Hologram of issuant laboratory .



Certificate Of Calibration



Behine Sanjesh Azma Eng.

3rd Floor, No 259, Behsa Building, Corner of Modares, Highway, Opposite Sarafraz St, Dr. Beheshti Ave
Tehran-Iran www.behsalab.com Tel: +9821-88531320 - 88170671 - 88170634 Fax: +9821 88533329



Page 2 of 2

Certificate NO. B7034/98/1

5-1. TEMPERATURE

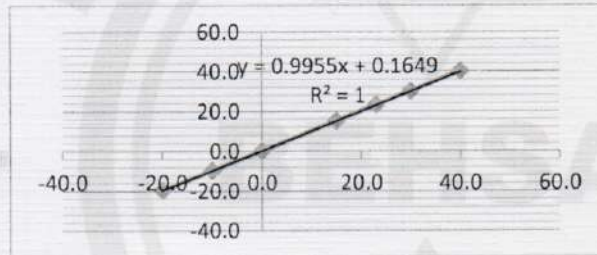
Calibration range: ((-20)-40)°C

| NO. | REF. TEMP °C | UUC TEMP °C | ERROR °C | EXP.UN °C |
|-----|-----------------|----------------|-------------|--------------|
| 1 | -20.0 | -19.7 | 0.3 | ± 0.3 |
| 2 | -10.0 | -9.8 | 0.2 | |
| 3 | 0.0 | 0.1 | 0.1 | |
| 4 | 15.0 | 15.1 | 0.1 | |
| 5 | 23.0 | 23.1 | 0.1 | |
| 6 | 30.0 | 30.0 | 0.0 | |
| 7 | 40.0 | 40.0 | 0.0 | |

The Regression Equation: TUUC=a*T REF+b

a= 0.9955

b= 0.1649



5-2. HUMIDITY

Calibration range: (20-80) %RH

| NO. | REF. VALUE %RH | UUC READING %RH | ERROR %RH | EXP.UN %RH |
|-----|-------------------|--------------------|--------------|---------------|
| 1 | 20.0 | 19.4 | -0.6 | ± 1.8 |
| 2 | 40.0 | 41.8 | 1.8 | |
| 3 | 60.0 | 62.4 | 2.4 | |
| 4 | 80.0 | 83.9 | 3.9 | |

Note: The reported humidities have been created at 25°C

ERRORS RESULTS :

The Permissible error Value is Determined by user Measuring Management System.

End of calibration cert.



Abbreviations.

UUC.: Unit Under Calibration Ref. : Reference EXP.UN. : Expanded Uncertainty MPE. : Maximum Permissible Error