

CERTIFICADO DE CALIBRACIÓN / CALIBRATION CERTIFICATE

INNOVATECIS CIA LTDA

Certificado No. (Certificate #): 46374

General José María Guerrero N69-170 y Alfonso del Hierro

Fecha de Recepción (Reception Date): 2024-06-07

Quito, Ecuador

Fecha de Calibración (Calibration Date): 2024-06-07

(+593) 02 6040 607

Próxima Fecha de Calibración (Calibration Due): -

innovatec@innovatec.com.ec

Fecha de Emisión (Emission Date): 2024-06-11

Cliente (Client): Productos Alimenticios Pascual, S.A
Ave. José Agustín Arango, Juan Díaz

Información del Instrumento (Instrument Information)

Equipo (Instrument): Cámara Climática Int. de Medición: -3 a 40 °C/Amb. a 95%
 Marca (Brand): Salva (Measurement Range)
 Modelo (Model): 15 División de escala: 1 °C/1%
 Serie (Serial #): 284318 (Resolution)
 Código (Code): LI&D-FER-02

Ubicación (Location): Laboratorio
 Lugar de Calibración: In Situ / On Site
 (Place of Calibration):

Datos de Calibración (Calibration Info)

Condiciones Ambientales (Environmental Conditions)

Procedimiento (Procedure): INN-PC-29

Temperatura (Temp): (27.1 °C ± 27.5 °C)

Humedad (Humidity): (61 %HR ± 61 %HR)

Trazabilidad (Traceability Info)

| Patrón (Standard) | Marca (Brand) | Cert. # | Última Calibración (Last Cal.) | Período (Period) |
|-------------------|---------------|----------------|--------------------------------|------------------|
| Termohigrómetro | Elitech | 43466 al 43461 | 2024-02-19 | 1 año |
| Termohigrómetro | Hobo | 43467 | 2024-02-19 | 1 año |

Resultados (Results)

| Patrón (Standard) | UBP (UUT) | Error (Error) | Incertidumbre (Uncertainty) | Estabilidad (Stability) | Uniformidad (Uniformity) |
|-------------------|-----------|---------------|-----------------------------|-------------------------|--------------------------|
| °C | °C | °C | | | Axial / Radial |
| 25.1 | 25.0 | -0.1 | ± 1.4°C | ± 1.5 °C | ± 1.3 °C / ±0.8 °C |
| 34.3 | 33.6 | -0.7 | ± 2.2°C | ± 2.1 °C | ± 2.9 °C / ±0.9 °C |

| Patrón (Standard) | UBP (UUT) | Error (Error) | Incertidumbre (Uncertainty) | Estabilidad (Stability) | Uniformidad (Uniformity) |
|-------------------|-----------|---------------|-----------------------------|-------------------------|--------------------------|
| %HR | %HR | %HR | | | Axial / Radial |
| 70.2 | 72 | 1.3 | ± 19°C | ± 27.1 %HR | ±15.8%HR / ±11.8 %HR |
| 74.5 | 73 | -1.6 | ± 17°C | ± 24.2 %HR | ±13.3%HR / ±10.6 %HR |

El presente Certificado de Calibración posee la trazabilidad en esta magnitud hacia el Patrón Nacional, a través de la realización de la unidad de medida en el NPL, NIST, o otro Laboratorio Nacional reconocido al Sistema Internacional de Medidas. La calibración fue realizada bajo un Sistema de Gestión de Laboratorio conforme a la Norma ISO/IEC 17025:2017. Los resultados y su incertidumbre reportada con un nivel de confianza de K=2, 95% son relacionados a este instrumento y en el tiempo que se realizó las medidas. Este Laboratorio no se responsabiliza de los perjuicios que pueda ocasionar el uso inadecuado del instrumento calibrado. La reproducción parcial es prohibida, la reproducción total deberá hacerse con la autorización escrita aprobada por INNOVATEC Industrial Solutions. This Certificate of Calibration provides traceability of measurement to the National Standard, through units of measurement realized at the NPL, NIST or other recognized National Standard Laboratories to the International System of Units. The calibration was performed under a Laboratory Management System in accordance with the ISO/IEC 17025:2017 Standard. The results and the reported uncertainty at a confidence level of K=2, 95% are related only to this instrument and at the time of measurement. This Laboratory is not responsible for any damages that may result from improper use of the calibrated instrument. Partial reproduction is forbidden, the total reproduction must have an approved written authorization by INNOVATEC Industrial Solutions.

Comentarios:
Comments

Para el análisis en la magnitud de temperatura, fueron considerados los valores obtenidos con la referencia central para determinar el desvío del punto de control. El indicador presenta variaciones altas respecto a los ajustes en la cámara.

Calibrado por:
Calibrated by:

Ing. Rubén Ortega

Aprobado por:
Approved by:



NO VALIDO

Certificado No.: 46374

Equipo (Instrument): Cámara Climática

Fecha de Calibración: 2024-06-07

Marca (Brand): Salva

Tabla 1.0: Lecturas de los sensores durante desplazamiento en la zona de trabajo @ 25 °C

| Tiempo (hh:mm:ss) | Lectura del Patrón °C @ 25 °C | | | | | | | | | |
|-------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| | PC | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 |
| 10:19:35 AM | 25.1 | 25.1 | 25.4 | 25.3 | 25.2 | 25.1 | 24.8 | 25.3 | 24.6 | 25.1 |
| 10:20:35 AM | 25.0 | 25.0 | 25.2 | 25.1 | 25.1 | 25.1 | 24.6 | 25.1 | 24.6 | 25.0 |
| 10:21:35 AM | 24.9 | 24.9 | 25.0 | 24.9 | 24.9 | 25.0 | 24.5 | 25.0 | 24.5 | 24.9 |
| 10:22:35 AM | 24.9 | 24.9 | 25.0 | 24.9 | 24.9 | 24.9 | 24.3 | 24.9 | 24.4 | 24.9 |
| 10:23:35 AM | 24.8 | 25.1 | 25.1 | 24.9 | 25.1 | 24.9 | 24.3 | 25.0 | 24.5 | 24.8 |
| 10:24:35 AM | 24.9 | 25.2 | 25.2 | 25.0 | 25.1 | 24.9 | 24.4 | 25.1 | 24.4 | 24.9 |
| 10:25:35 AM | 24.9 | 25.3 | 25.4 | 25.1 | 25.3 | 24.9 | 24.4 | 25.2 | 24.5 | 24.9 |
| 10:26:35 AM | 25.0 | 25.5 | 25.6 | 25.4 | 25.5 | 25.0 | 24.6 | 25.4 | 24.6 | 25.0 |
| 10:27:35 AM | 25.0 | 25.7 | 25.8 | 25.6 | 25.6 | 25.1 | 24.7 | 25.4 | 24.6 | 25.0 |
| 10:28:35 AM | 25.1 | 25.7 | 25.9 | 25.7 | 25.7 | 25.1 | 24.8 | 25.5 | 24.7 | 25.1 |
| 10:29:35 AM | 25.2 | 25.9 | 26.0 | 25.9 | 25.9 | 25.2 | 24.9 | 25.7 | 24.7 | 25.2 |
| 10:30:35 AM | 25.3 | 25.9 | 26.1 | 26.0 | 25.9 | 25.3 | 25.0 | 25.7 | 24.7 | 25.3 |
| 10:31:35 AM | 25.4 | 25.9 | 26.1 | 26.0 | 25.9 | 25.3 | 25.1 | 25.8 | 24.7 | 25.4 |
| 10:32:35 AM | 25.4 | 25.9 | 26.1 | 26.0 | 25.9 | 25.4 | 25.1 | 25.8 | 24.8 | 25.4 |
| 10:33:35 AM | 25.3 | 25.7 | 25.9 | 25.9 | 25.7 | 25.3 | 25.1 | 25.6 | 24.7 | 25.3 |
| 10:34:35 AM | 25.3 | 25.5 | 25.7 | 25.7 | 25.5 | 25.3 | 25.0 | 25.5 | 24.7 | 25.3 |
| 10:35:35 AM | 25.2 | 25.3 | 25.5 | 25.5 | 25.4 | 25.2 | 24.8 | 25.4 | 24.7 | 25.2 |
| 10:36:35 AM | 25.1 | 25.0 | 25.2 | 25.2 | 25.1 | 25.1 | 24.7 | 25.1 | 24.6 | 25.1 |
| 10:37:35 AM | 24.9 | 24.8 | 24.9 | 24.9 | 24.9 | 24.9 | 24.4 | 24.9 | 24.4 | 24.9 |
| 10:38:35 AM | 24.8 | 24.7 | 24.8 | 24.7 | 24.7 | 24.9 | 24.2 | 24.7 | 24.4 | 24.8 |
| 10:39:35 AM | 24.7 | 24.6 | 24.7 | 24.6 | 24.7 | 24.8 | 24.1 | 24.7 | 24.3 | 24.7 |
| 10:40:35 AM | 24.7 | 24.7 | 24.7 | 24.5 | 24.7 | 24.7 | 24.0 | 24.6 | 24.2 | 24.7 |
| 10:41:35 AM | 24.6 | 24.8 | 24.8 | 24.6 | 24.8 | 24.7 | 24.0 | 24.7 | 24.2 | 24.6 |
| 10:42:35 AM | 24.7 | 24.9 | 24.9 | 24.7 | 24.9 | 24.7 | 24.0 | 24.7 | 24.2 | 24.7 |
| Promedio | 25.0 | 25.3 | 25.4 | 25.3 | 25.3 | 25.0 | 24.6 | 25.2 | 24.5 | 25.0 |
| Desviación | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.2 | 0.4 | 0.4 | 0.2 | 0.2 |
| Max | 25.4 | 25.9 | 26.1 | 26.0 | 25.9 | 25.4 | 25.1 | 25.8 | 24.8 | 25.4 |
| Min | 24.6 | 24.6 | 24.7 | 24.5 | 24.7 | 24.7 | 24.0 | 24.6 | 24.2 | 24.6 |
| ΔT Est. | 1.5 | | | | | | | | | |
| ΔT Radial | 0.8 | | | | | | | | | |
| ΔT Axial | 1.3 | | | | | | | | | |

Fin de Certificado (End of Certificate)

PAGO

NO VALIDO

Certificado No.: 46374

Fecha de Calibración: 2024-06-07

Equipo (Instrument): Cámara Climática

Marca (Brand): Salva

| Tabla 1.0: Lecturas de los sensores durante desplazamiento en la zona de trabajo @ 73 %HR | | | | | | | | | | |
|---|--------------------------------|------|------|------|------|------|------|------|------|------|
| Tiempo (hh:mm:ss) | Lectura del Patrón °C @ 73 %HR | | | | | | | | | |
| | PC | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 |
| 1:17:00 PM | 62.0 | 73.2 | 74.0 | 67.4 | 69.4 | 70.8 | 68.4 | 72.6 | 72.6 | 66.1 |
| 1:17:30 PM | 70.0 | 74.6 | 68.5 | 76.7 | 74.1 | 73.9 | 71.1 | 73.9 | 73.9 | 68.6 |
| 1:18:00 PM | 89.0 | 59.3 | 61.9 | 59.0 | 53.1 | 69.4 | 70.6 | 71.6 | 71.6 | 62.7 |
| 1:18:30 PM | 68.0 | 77.1 | 77.7 | 70.8 | 71.9 | 71.2 | 68.8 | 73.9 | 73.9 | 66.8 |
| 1:19:00 PM | 71.0 | 79.2 | 72.8 | 79.5 | 78.3 | 75.7 | 72.0 | 76.1 | 76.1 | 70.4 |
| 1:19:30 PM | 81.0 | 59.3 | 61.0 | 65.3 | 54.3 | 71.7 | 72.4 | 73.4 | 73.4 | 64.2 |
| 1:20:00 PM | 60.0 | 77.5 | 77.6 | 70.9 | 71.7 | 71.7 | 69.7 | 75.2 | 75.2 | 67.7 |
| 1:20:30 PM | 63.0 | 80.5 | 73.8 | 80.5 | 79.2 | 76.5 | 72.5 | 77.4 | 77.4 | 71.7 |
| 1:21:00 PM | 89.0 | 57.7 | 59.8 | 65.8 | 54.0 | 72.1 | 72.9 | 74.0 | 74.0 | 64.9 |
| 1:21:30 PM | 61.0 | 74.4 | 75.5 | 67.8 | 69.5 | 72.1 | 70.3 | 74.9 | 74.9 | 67.7 |
| 1:22:00 PM | 62.0 | 78.1 | 72.3 | 79.0 | 77.1 | 76.1 | 72.1 | 76.6 | 76.6 | 71.0 |
| 1:22:30 PM | 70.0 | 58.1 | 60.8 | 63.1 | 53.8 | 71.7 | 72.6 | 73.6 | 73.6 | 64.6 |
| 1:23:00 PM | 89.0 | 72.0 | 73.1 | 67.9 | 68.6 | 71.7 | 69.9 | 74.5 | 74.5 | 67.3 |
| 1:23:30 PM | 68.0 | 72.6 | 66.9 | 74.8 | 73.3 | 74.9 | 71.7 | 74.9 | 74.9 | 69.2 |
| 1:24:00 PM | 71.0 | 58.4 | 61.2 | 57.3 | 54.4 | 69.9 | 71.7 | 71.8 | 71.8 | 63.7 |
| 1:24:30 PM | 81.0 | 70.7 | 71.9 | 66.9 | 68.1 | 70.8 | 69.4 | 73.1 | 73.1 | 66.5 |
| 1:25:00 PM | 60.0 | 72.2 | 66.7 | 74.0 | 72.9 | 73.5 | 71.2 | 73.5 | 73.5 | 67.9 |
| 1:25:30 PM | 63.0 | 56.1 | 59.7 | 57.9 | 52.4 | 68.5 | 70.7 | 70.8 | 70.8 | 62.3 |
| 1:26:00 PM | 89.0 | 71.8 | 73.3 | 66.3 | 68.0 | 69.9 | 68.4 | 72.1 | 72.1 | 65.5 |
| 1:26:30 PM | 61.0 | 77.1 | 72.0 | 77.4 | 76.1 | 73.5 | 70.6 | 74.3 | 74.3 | 68.8 |
| 1:27:00 PM | 62.0 | 57.4 | 60.0 | 62.0 | 52.6 | 69.8 | 71.5 | 72.0 | 72.0 | 62.7 |
| 1:27:30 PM | 70.0 | 74.9 | 75.9 | 68.8 | 69.5 | 70.3 | 69.2 | 73.8 | 73.8 | 65.8 |
| 1:28:00 PM | 89.0 | 81.5 | 75.5 | 81.3 | 79.5 | 74.7 | 71.5 | 76.0 | 76.0 | 70.5 |
| 1:28:30 PM | 68.0 | 59.3 | 58.0 | 67.5 | 56.2 | 72.1 | 72.8 | 73.8 | 73.8 | 64.6 |
| Promedio | 72 | 69.7 | 68.7 | 69.5 | 66.6 | 72.2 | 70.9 | 73.9 | 73.9 | 66.7 |
| Desviación | 11 | 8.8 | 6.7 | 7.1 | 9.8 | 2.2 | 1.4 | 1.6 | 1.6 | 2.7 |
| Max | 89 | 81.5 | 77.7 | 81.3 | 79.5 | 76.5 | 72.9 | 77.4 | 77.4 | 71.7 |
| Min | 60 | 56.1 | 58.0 | 57.3 | 52.4 | 68.5 | 68.4 | 70.8 | 70.8 | 62.3 |
| ΔT Est. | 27.1 | | | | | | | | | |
| ΔT Radial | 11.8 | | | | | | | | | |
| ΔT Axial | 15.8 | | | | | | | | | |

Fin de Certificado (End of Certificate)

PAGO

NO VALIDO

Certificado No.: 46374
 Fecha de Calibración: 2024-06-07

Equipo (Instrument): Cámara Climática
 Marca (Brand): Salva

Tabla 1.0: Lecturas de los sensores durante desplazamiento en la zona de trabajo @ 35 °C

| Tiempo (hh:mm:ss) | Lectura del Patrón °C @ 35 °C | | | | | | | | | |
|-------------------|-------------------------------|------|------|------|------|------|------|------|------|------|
| | PC | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 |
| 12:03:35 PM | 32.4 | 34.1 | 34.5 | 34.6 | 33.9 | 32.3 | 33.5 | 34.3 | 31.7 | 32.4 |
| 12:04:35 PM | 32.6 | 34.2 | 34.8 | 34.8 | 34.1 | 32.5 | 33.7 | 34.5 | 31.9 | 32.6 |
| 12:05:35 PM | 32.9 | 34.5 | 35.0 | 35.0 | 34.4 | 32.8 | 33.9 | 34.7 | 32.1 | 32.9 |
| 12:06:35 PM | 33.0 | 34.6 | 35.1 | 35.2 | 34.5 | 32.9 | 34.1 | 34.9 | 32.3 | 33.0 |
| 12:07:35 PM | 33.2 | 34.6 | 35.3 | 35.3 | 34.5 | 33.0 | 34.2 | 35.0 | 32.5 | 33.2 |
| 12:08:35 PM | 33.3 | 34.7 | 35.3 | 35.4 | 34.6 | 33.2 | 34.4 | 35.1 | 32.7 | 33.3 |
| 12:09:35 PM | 33.4 | 34.6 | 35.3 | 35.4 | 34.5 | 33.3 | 34.5 | 35.1 | 32.8 | 33.4 |
| 12:10:35 PM | 33.5 | 34.6 | 35.4 | 35.4 | 34.5 | 33.4 | 34.5 | 35.2 | 32.9 | 33.5 |
| 12:11:35 PM | 33.6 | 34.7 | 35.4 | 35.3 | 34.6 | 33.5 | 34.5 | 35.2 | 33.0 | 33.6 |
| 12:12:35 PM | 33.6 | 34.6 | 35.3 | 35.3 | 34.5 | 33.6 | 34.6 | 35.2 | 33.1 | 33.6 |
| 12:13:35 PM | 33.7 | 34.5 | 35.3 | 35.2 | 34.5 | 33.7 | 34.6 | 35.2 | 33.2 | 33.7 |
| 12:14:35 PM | 33.7 | 34.6 | 35.3 | 35.2 | 34.5 | 33.8 | 34.6 | 35.2 | 33.3 | 33.7 |
| 12:15:35 PM | 33.7 | 34.4 | 35.2 | 35.1 | 34.4 | 33.8 | 34.6 | 35.2 | 33.3 | 33.7 |
| 12:16:35 PM | 33.8 | 34.5 | 35.1 | 35.0 | 34.4 | 33.9 | 34.5 | 35.2 | 33.4 | 33.8 |
| 12:17:35 PM | 33.8 | 34.5 | 35.1 | 35.0 | 34.4 | 34.0 | 34.5 | 35.2 | 33.5 | 33.8 |
| 12:18:35 PM | 33.8 | 34.4 | 35.0 | 35.0 | 34.4 | 34.0 | 34.5 | 35.1 | 33.5 | 33.8 |
| 12:19:35 PM | 33.8 | 34.4 | 34.9 | 34.9 | 34.4 | 34.0 | 34.5 | 35.1 | 33.6 | 33.8 |
| 12:20:35 PM | 33.9 | 34.5 | 34.9 | 34.9 | 34.4 | 34.1 | 34.5 | 35.2 | 33.6 | 33.9 |
| 12:21:35 PM | 33.9 | 34.4 | 34.9 | 34.9 | 34.4 | 34.1 | 34.5 | 35.1 | 33.6 | 33.9 |
| 12:22:35 PM | 33.9 | 34.4 | 34.9 | 34.9 | 34.4 | 34.2 | 34.4 | 35.1 | 33.7 | 33.9 |
| 12:23:35 PM | 33.9 | 34.5 | 34.9 | 34.9 | 34.5 | 34.2 | 34.4 | 35.2 | 33.7 | 33.9 |
| 12:24:35 PM | 34.0 | 34.5 | 34.9 | 34.9 | 34.4 | 34.2 | 34.5 | 35.1 | 33.7 | 34.0 |
| 12:25:35 PM | 34.0 | 34.5 | 34.9 | 34.9 | 34.4 | 34.3 | 34.5 | 35.1 | 33.8 | 34.0 |
| 12:26:35 PM | 34.1 | 34.6 | 35.0 | 34.9 | 34.5 | 34.3 | 34.5 | 35.2 | 33.8 | 34.1 |
| Promedio | 33.6 | 34.5 | 35.1 | 35.1 | 34.4 | 33.6 | 34.4 | 35.1 | 33.1 | 33.6 |
| Desviación | 0.5 | 0.1 | 0.2 | 0.2 | 0.1 | 0.6 | 0.3 | 0.2 | 0.6 | 0.5 |
| Max | 34.1 | 34.7 | 35.4 | 35.4 | 34.6 | 34.3 | 34.6 | 35.2 | 33.8 | 34.1 |
| Min | 32.4 | 34.1 | 34.5 | 34.6 | 33.9 | 32.3 | 33.5 | 34.3 | 31.7 | 32.4 |
| ΔT Est. | 2.1 | | | | | | | | | |
| ΔT Radial | 0.9 | | | | | | | | | |
| ΔT Axial | 2.9 | | | | | | | | | |

Fin de Certificado (End of Certificate)

PAGO

NO VALIDO

Certificado No.: 46374

Equipo (Instrument): Cámara Climática

Fecha de Calibración: 2024-06-07

Marca (Brand): Salva

Tabla 1.0: Lecturas de los sensores durante desplazamiento en la zona de trabajo @ 75 %HR

| Tiempo (hh:mm:ss) | Lectura del Patrón °C @ 75 %HR | | | | | | | | | |
|-------------------|--------------------------------|------|------|------|------|------|------|------|------|------|
| | PC | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 |
| 1:17:00 PM | 70 | 69.1 | 69.0 | 67.7 | 62.0 | 81.1 | 76.0 | 78.4 | 78.0 | 73.8 |
| 1:17:30 PM | 70 | 82.0 | 79.6 | 73.7 | 78.2 | 81.5 | 73.7 | 80.2 | 82.0 | 77.5 |
| 1:18:00 PM | 70 | 81.9 | 72.8 | 80.8 | 82.1 | 84.1 | 77.0 | 81.1 | 82.5 | 79.6 |
| 1:18:30 PM | 85 | 66.1 | 66.4 | 64.9 | 60.7 | 80.3 | 75.7 | 77.1 | 77.7 | 73.1 |
| 1:19:00 PM | 60 | 78.7 | 77.7 | 70.8 | 74.9 | 80.3 | 73.4 | 78.5 | 80.8 | 76.1 |
| 1:19:30 PM | 75 | 80.2 | 72.0 | 78.2 | 80.4 | 83.4 | 75.7 | 79.0 | 81.3 | 78.2 |
| 1:20:00 PM | 86 | 65.5 | 66.0 | 63.1 | 60.6 | 78.2 | 74.8 | 75.8 | 76.4 | 72.0 |
| 1:20:30 PM | 61 | 78.2 | 77.0 | 71.1 | 74.5 | 79.1 | 72.5 | 77.6 | 80.0 | 75.2 |
| 1:21:00 PM | 78 | 80.4 | 72.0 | 78.1 | 80.4 | 82.2 | 74.8 | 78.1 | 80.1 | 77.5 |
| 1:21:30 PM | 85 | 64.6 | 65.0 | 64.4 | 59.6 | 76.9 | 73.9 | 74.9 | 75.1 | 71.0 |
| 1:22:00 PM | 60 | 77.5 | 76.3 | 71.1 | 74.0 | 78.3 | 71.6 | 76.7 | 78.8 | 74.0 |
| 1:22:30 PM | 73 | 80.7 | 70.1 | 79.0 | 80.5 | 81.4 | 74.4 | 77.7 | 79.2 | 76.8 |
| 1:23:00 PM | 83 | 64.0 | 64.7 | 63.7 | 58.9 | 76.1 | 73.4 | 74.0 | 74.3 | 70.1 |
| 1:23:30 PM | 60 | 77.3 | 76.8 | 71.0 | 73.3 | 77.4 | 71.1 | 75.8 | 77.9 | 73.2 |
| 1:24:00 PM | 71 | 81.3 | 70.8 | 78.5 | 81.0 | 80.6 | 73.9 | 77.2 | 78.4 | 76.1 |
| 1:24:30 PM | 85 | 63.3 | 64.4 | 61.6 | 58.1 | 75.7 | 73.4 | 74.0 | 73.4 | 69.5 |
| 1:25:00 PM | 70 | 77.1 | 75.9 | 71.1 | 73.4 | 76.6 | 71.1 | 75.8 | 77.1 | 72.7 |
| 1:25:30 PM | 70 | 81.8 | 71.7 | 77.9 | 81.2 | 80.1 | 73.4 | 77.2 | 78.0 | 75.9 |
| 1:26:00 PM | 70 | 63.4 | 64.7 | 63.6 | 57.9 | 75.2 | 73.4 | 74.0 | 72.9 | 69.3 |
| 1:26:30 PM | 85 | 77.2 | 76.8 | 70.8 | 72.9 | 76.1 | 70.6 | 75.8 | 76.6 | 72.4 |
| 1:27:00 PM | 60 | 82.1 | 72.8 | 78.5 | 81.5 | 79.7 | 73.4 | 77.6 | 77.5 | 75.7 |
| 1:27:30 PM | 75 | 63.1 | 64.4 | 64.9 | 57.9 | 74.8 | 73.4 | 74.0 | 72.5 | 69.1 |
| 1:28:00 PM | 86 | 76.9 | 76.6 | 70.7 | 72.6 | 75.7 | 70.6 | 75.8 | 76.2 | 72.2 |
| 1:28:30 PM | 61 | 82.4 | 75.9 | 77.9 | 81.8 | 79.3 | 73.4 | 77.2 | 77.6 | 75.9 |
| Promedio | 73 | 74.8 | 71.6 | 71.4 | 71.6 | 78.9 | 73.5 | 76.8 | 77.7 | 74.0 |
| Desviación | 9 | 7.4 | 5.0 | 6.1 | 9.3 | 2.7 | 1.7 | 1.9 | 2.7 | 3.0 |
| Max | 86 | 82.4 | 79.6 | 80.8 | 82.1 | 84.1 | 77.0 | 81.1 | 82.5 | 79.6 |
| Min | 60 | 63.1 | 64.4 | 61.6 | 57.9 | 74.8 | 70.6 | 74.0 | 72.5 | 69.1 |
| ΔT Est. | 24.2 | | | | | | | | | |
| ΔT Radial | 10.6 | | | | | | | | | |
| ΔT Axial | 13.3 | | | | | | | | | |

Fin de Certificado (End of Certificate)

PAGO