



CERTIFICADO DE CALIBRACIÓN / CALIBRATION CERTIFICATE

INNOVATECIS CIA LTDA

General José María Guerrero N69-170 y Alfonso del Hierro

Quito, Ecuador

(+593) 02 6040 607

innovatec@innovatec.com.ec

Certificado No. (Certificate #): 53267

Fecha de Recepción (Reception Date): 2025-01-21

Fecha de Calibración (Calibration Date): 2025-01-22

Próxima Fecha de Calibración (Calibration Due): 2026-01

Fecha de Emisión (Emission Date): 2025-01-23

Cliente (Client): AGLOMERADOS COTOPAXI S.A.
Av. General Eloy Alfaro 34-194 E12 y Catalina Aldaz

Información del Instrumento (Instrument Information)

Equipo (Instrument):	Wet Film Comb	Int. de Medición: (Measurement Range)	(1 a 120) mils	Ubicación (Location):	*****
Marca (Brand):	Elcometer			Lugar de Calibración (Place of Calibration):	Lab. Innovatec / Innovatec's Lab.
Modelo (Model):	112	Serie:	XL12810		

Datos de Calibración (Calibration Info)

Procedimiento (Procedure): INN-PC-34

Condiciones Ambientales (Environmental Conditions)

Temperatura (Temp): (20.79 °C a 20.83 °C) Humedad (Humidity): (67.5 %HR a 67.9 %HR)

Trazabilidad (Traceability Info)

Patrón (Standard)	Marca (Brand)	Cert. #	Última Calibración (Last Cal.)	Período (Period)
Micrómetro	Pantec	38837	2023-11-26	2 años
Pie de Rey	Starret	38838	2023-11-26	2 años

Resultados (Results)

Ver resultados en Hoja adjuntada

See results on attached sheet

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, u 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: Ninguno.

Calibrado por:
Calibrated by: Jonathan Fonseca

Aprobado por:
Approved by:

Fin de Certificado (End of Certificate)

Certificado No.: 53267
Fecha de Calibración: 2025-01-22

Equipo (Instrument): Wet Film Comb
Marca (Brand): Elcometer

Identificación (Identification)		Patrón (Standard)	UBP (UUT)	Error (Error)	Incertidumbre (Uncertainty)
Galga	0.001 in	0.001 in	0.001 in	0 in	± 0.00058 in
Galga	0.002 in	0.002 in	0.002 in	0 in	± 0.00058 in
Galga	0.003 in	0.003 in	0.003 in	0 in	± 0.00058 in
Galga	0.004 in	0.004 in	0.004 in	0 in	± 0.00058 in
Galga	0.005 in	0.005 in	0.005 in	0 in	± 0.00058 in
Galga	0.006 in	0.006 in	0.006 in	0 in	± 0.00058 in
Galga	0.007 in	0.008 in	0.007 in	-0.001 in	± 0.00058 in
Galga	0.008 in	0.009 in	0.008 in	-0.001 in	± 0.00058 in
Galga	0.009 in	0.008 in	0.009 in	0.001 in	± 0.00058 in
Galga	0.01 in	0.01 in	0.01 in	0 in	± 0.00058 in
Galga	0.011 in	0.011 in	0.011 in	0 in	± 0.00058 in
Galga	0.012 in	0.012 in	0.012 in	0 in	± 0.00058 in
Galga	0.014 in	0.014 in	0.014 in	0 in	± 0.00058 in
Galga	0.016 in	0.015 in	0.016 in	0.001 in	± 0.00058 in
Galga	0.018 in	0.018 in	0.018 in	0 in	± 0.00058 in
Galga	0.02 in	0.02 in	0.02 in	0 in	± 0.00058 in
Galga	0.022 in	0.021 in	0.022 in	0.001 in	± 0.00058 in
Galga	0.024 in	0.024 in	0.024 in	0 in	± 0.00058 in
Galga	0.026 in	0.026 in	0.026 in	0 in	± 0.00058 in
Galga	0.028 in	0.027 in	0.028 in	0.001 in	± 0.00058 in
Galga	0.03 in	0.029 in	0.03 in	0.001 in	± 0.00058 in
Galga	0.032 in	0.031 in	0.032 in	0.001 in	± 0.00058 in
Galga	0.034 in	0.034 in	0.034 in	0 in	± 0.00058 in
Galga	0.036 in	0.036 in	0.036 in	0 in	± 0.00058 in
Galga	0.038 in	0.039 in	0.038 in	-0.001 in	± 0.00058 in
Galga	0.04 in	0.041 in	0.04 in	-0.001 in	± 0.00058 in
Galga	0.045 in	0.045 in	0.045 in	0 in	± 0.00058 in
Galga	0.05 in	0.05 in	0.05 in	0 in	± 0.00058 in
Galga	0.055 in	0.056 in	0.055 in	-0.001 in	± 0.00058 in
Galga	0.6 in	0.059 in	0.06 in	0.001 in	± 0.00058 in
Galga	0.7 in	0.069 in	0.07 in	0.001 in	± 0.00058 in
Galga	0.8 in	0.08 in	0.08 in	0 in	± 0.00058 in
Galga	0.9 in	0.09 in	0.09 in	0 in	± 0.00058 in
Galga	0.1 in	0.1 in	0.1 in	0 in	± 0.00058 in
Galga	0.11 in	0.11 in	0.11 in	0 in	± 0.00058 in
Galga	0.12 in	0.12 in	0.12 in	0 in	± 0.00058 in