

HELMUT FISCHER S. DE R.L. DE C.V.

Instrumentos de medición para el espesor de recubrimiento • Equipos de prueba de materiales

1A Fresnos 504, Jurica
76100, Querétaro, Qro.
Tel. (442) 2609295

CERTIFICATION

Folio: **XRF-FRM25-7**

Certification OCTOBER 24th, 2025
Re-Certification: OCTOBER 24th, 2026
Customer: IXCOPLATING SA DE CV
ID: N/A

Instrument: XUL® 210
Serial No: 100215150

The above x-ray fluorescence non-destructive thickness measuring instrument has been inspected and is certified to meet all applicable Federal and State x-ray safety regulations.

The electrical, mechanical and optical alignment of this instrument have been tested and found to meet Helmut Fischer factory specifications in accordance with the Fischer Quality System in accordance with ISO: 3497

Standards Used for Test	Value	Measured Values Before Cert	Max. Error	In Tolerance	Max Error %	Max. Error	In Tolerance
Zn/Fe	µm	µm	%	5%	µm	%	5%
CGQHF	6.20	6.22	0.33	YES	6.21	0.18	YES
CGQVT	25.3	25.1	0.62	YES	25.2	0.49	YES

The test was found to be capable of producing measurement accuracy measurement within an interval of $\pm 5\%$ in accordance with the Fischer Quality System.

This certification must be supplied to the user of this equipment

Helmut Fischer S de RL de CV




Leonardo Arturo Febo Romero
Servicio Técnico Helmut Fischer México

This document shall not be reproduced, except in full, without the written permission of Helmut Fischer.

F0906

PAGE 1 OF 3

HELMUT FISCHER S. DE R.L. DE C.V.

Instrumentos de medición para el espesor de recubrimiento • Equipos de prueba de materiales

1A Fresnos 504, Jurica
76100, Querétaro, Qro.
Tel. (442) 2609295**RADIATION SURVEY****Folio: XRF-FRM25-7****Certification OCTOBER 24th, 2025**
Re-Certification: OCTOBER 24th, 2026
Customer: IXCOPLATING SA DE CV
ID: N/A**Instrument: XUL® 210**
Serial No: 100215150

The above x-ray fluorescence coating thickness measuring instrument falls in the general category of enclosed beam analytical x-ray equipment as defined by American National Standards Institute ANSI/HPS N43.2-2001.

This equipment is designed to meet and comply with all applicable Federal safety regulations regarding emission as set forth in ANSI/HPS N43.2-2001, Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment, sections 6.2.1.2, Enclosed beam x-ray system and 6.2.2.1, General requirements for all x-ray systems covered by this standard.

The instrument listed above is certified to be within Fischer Technology's manufacturing specifications in accordance with the Fischer Quality System and procedures.

The actual dosage rate was measured with a suitable survey meter around the exterior surfaces, Federal regulations states that radiation levels shall not exceed 0.25 mrem/hr (millirems per hour) or 0.0025mSv/hr (milliSieverts per hour) at a distance of five (5) centimeters outside the protective cabinet.

mrem/hr Background Reading: 0.005**mrem/hr Actual Highest Survey Meter Reading: 0.005****Survey Meter Type: Monitor 4EC****Serial No:****38618**☒ OK SAFETY INTERLOCK SYSTEM CHECK☒ The above instrument was checked completely for excess radiation, and was found to be within specifications.☐ The above instrument was checked completely for excess radiation, and was found NOT to be within specifications and was not certified.**Helmut Fischer S de RL de CV**

Leonardo Arturo Febo Romero
Servicio Técnico Helmut Fischer México

This document shall not be reproduced, except in full, without the written permission of Helmut Fischer.

F0906

PAGE 2 OF 3

HELMUT FISCHER S. DE R.L. DE C.V.

Instrumentos de medición para el espesor de recubrimiento • Equipos de prueba de materiales

1A Fresnos 504, Jurica
76100, Querétaro, Qro.
Tel. (442) 2609295

CONTROL CHART

Certification OCTOBER 24th, 2025

Re-Certification: OCTOBER 24th, 2026

Customer: IXCOPLATING SA DE CV

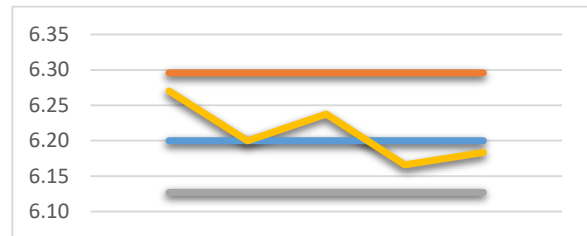
ID: N/A

Folio: **XRF-FRM25-7**

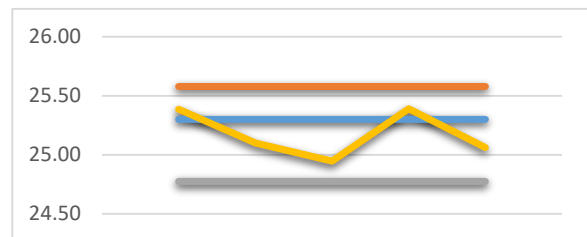
Instrument: XUL® 210

Serial No: 100215150

Zn/Fe CGQHF 6.2 µm			
Valor	Real	LSC	LIC
6.27	6.20	6.30	6.13
6.20	6.20	6.30	6.13
6.24	6.20	6.30	6.13
6.17	6.20	6.30	6.13
6.18	6.20	6.30	6.13



Zn/Fe CGQVT 25.3 µm			
Valor	Real	LSC	LIC
25.39	25.30	25.58	24.77
25.10	25.30	25.58	24.77
24.95	25.30	25.58	24.77
25.39	25.30	25.58	24.77
25.06	25.30	25.58	24.77



Helmut Fischer S de RL de CV




Leonardo Arturo Febo Romero
Servicio Técnico Helmut Fischer México

This document shall not be reproduced, except in full, without the written permission of Helmut Fischer.

F0906

PAGE 3 OF 3