Recoord	**EXAMEN por ULTRASONIDOS de los PRODUCTOS PLANOS de ACERO de ESPESOR IGUAL o SUPERIORES a 6 mm (método de reflexión)** *ULTRASONIC TESTING of STEEL FLAT PRODUCT of THICKNESS EQUAL or GREATER tan 6 mm (reflection method)*	**Informe nº** / *Report No.* 22A_1134_R00 **Hoja** / *Sheet* 1 / 1

Condiciones del ensayo y equipos / *Test conditions and equipment*

Fecha del examen / *Test date*	06/05/2022	**Organismo examinador** / *Examining Body*	END RECOORD S.L.
Fabricante / *Manufacturer*	HIERROS MARCELINO FRANCO S.A	**Norma de ensayo** / *Test Standard*	UNE-EN 10160:1999
Lugar del ensayo / *Test location*	Taller / *Workshop* HIERROS MARCELINO FRANCO S.A	**Procedimiento** / *Procedure*	P_UTME_01_R00

EQUIPO de EXAMEN *TEST EQUIPMENT*	**Marca** / *Brand*	General Electric
	Modelo / *Model*	USM-36
	Código interno / *Internal code*	EMU_002
PALPADOR *PROBE*	**Tipo** / *Type*	Doble transductor / *Double transducer*
	Medidas / *Dimensions*	Ø25 mm
	Frecuencia / *Frequency*	4 MHz
CONDICIONES de OPERACIÓN *OPERATION CONDITIONS*	**Medio de acoplamiento** / *Coupling medium*	Agua / *Water*
	Plan de examen / *Scanning plan*	Según epígrafe 8 de / *According to section 8 of* UNE-EN 10160:2000
	Determinación del área / *Area determination*	Según epígrafe 9.2 de / *According to section 9.2 of* UNE-EN 10160:2000
	Reglaje del aparato / *Aparatus setting*	Según epígrafes 6.2+9.1 de / *According to sections 6.2+9.1 of* UNE-EN 10160:2000

Puntos particulares objeto de acuerdo especial / *Special points subject of special agreement*

--- --- ---

Observaciones / *Remarks*

Número interno / *Internal number* HIERROS MARCELINO FRANCO S.A.: **028**

Referencia de pedido / *Order reference* HIERROS MARCELINO FRANCO S.A.: **ONIRAM**

Resultados / *Results*

Colada *Heat*	Identificación ID *Identificación ID*	Tipo / Grado *Type / Grade*	Dimensiones (mm) *Dimensions (mm)*	Tratamiento térmico *Heat treatment*	Condición superficial *Surface condition*	Clase de calidad *Quality class*	Resultados *Results*	Observaciones *Remarks*
---	762103801	S355J2+N	20x2500x12000	No	Descascarillado / Husked	S3+E4	A	---
---	7861286-1	S355J2+N	25x2500x6000	No	Descascarillado / Husked	S3+E4	A	---
---	6354-9933-2	S355J2+N	40x2500x4000	No	Descascarillado / Husked	S3+E4	A	---
---	PK912602-01	S355J2+N	50x2500x5000	No	Descascarillado / Husked	S3+E4	A	---
---	B1316513A0	S355J2+N	60x2500x6000	No	Descascarillado / Husked	S3+E4	A	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---

***A**: Aceptado/Accepted, **R**: Rechazado/Rejected, **NT**: No examinado/Not tested*

Fabricante / *Manufacturer* (si aplicase / *if applicable*)	**Inspector** / *Inspector*
	Firmado digitalmente por Julio E. García Balbuzano UT Nombre de reconocimiento (DN): cn=Julio E. García Balbuzano UT, o=END RECOORD S.L., ou=E-A-003935-UT-2-S-2 // E-A-003935-UT-2-M-0 // UT_LIII_JEGB_20200514 , email=asturias@endrecoord.com, c=ES Fecha: 2022.05.10 13:43:10 +02'00' Versión de Adobe Acrobat Reader: 2022.001.20117

Los datos del objeto(s) examinado(s) son suministrados por el cliente. El laboratorio no se hace responsable de los mismos. *The data of the examined object(s) are provided by the customer. The laboratory is not responsible for them.*
Los resultados contenidos en este informe se refieren al momento y condiciones en que se realizó el ensayo de los objetos referenciados. *The results contained in this report refer to the time and conditions under which the referenced objects were tested.*
Este es un informe electrónico original y se ha de transmitir en su condición de original. Se prohíbe su transmisión en otros soportes. *This is an original electronic report and must be transmitted in its original condition. Transmission in other media is prohibited.*