

## Laboratorio de Ensayos de Corrosión, S.L.

Parque Empresarial Jundiz  
C/ Uzbina 24, Pab. E-11  
01015 Vitoria-Gasteiz - Álava  
Tfno.: 945109499



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## TECHNICAL REPORT

### INFORMATION/REQUIREMENTS PROVIDED BY THE REQUESTOR

Denomination: **DOCE MARINE LT CON BRIDA**

Evaluation Standard: ---

LABENCOR is not responsible for the information/requirements provided by the requestor

### Photo of the received samples:



REQUESTOR	Dinnteco Factory Gasteiz SLU C/ Alibarra 30, Pabellón 1 01010 Vitoria Gasteiz (Álava) SPAIN	
CONTACT	Roberto Zubia	
TEST STANDARD	UNE-EN ISO 9227 NSS:2023	
HORAS DE ENSAYO	1440 hours with visual intermediate evaluations at 288, 480 and 720 hours	
No. SAMPLES TESTED	1	
RECEPTION DATE – FINAL DATE	22/10/24	23/12/24

In Vitoria-Gasteiz, January 9th 2025

**BEATRIZ GAISAN**  
**GUTIERREZ**

Firmado digitalmente por  
BEATRIZ GAISAN GUTIERREZ  
Fecha: 2025.01.09 15:24:29  
+01'00'

Technical Manager

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### TEST METHOD AND TEST DURATION

Corrosion's evaluation according to the standard:

UNE-EN ISO 9227 NSS:2023

1000 hours

### TEST SCOPE AND PREPARATION

According to the Test Standard indicated in the previous paragraph, the corrosion resistance of the sample described in "the information/requirements provided by the requestor" (page 1 in this report) is tested.

#### Samples preparation before the test:

- There is not a specific preparation of the sample before the test.

#### Samples preparation after the test:

- At the end of the test period, and after 30 y 60 minutes (in room conditions  $23 \pm 5^\circ\text{C}$ ,  $< 75\%$  HR), the samples are rinsing in clean running water, at a temperature  $T < 40^\circ\text{C}$  and then drying in a stream of air.

### CONDITIONS OF THE NEUTRAL SALT SPRAY RESISTANCE TEST

Temperature	$(35 \pm 2)^\circ\text{C}$
Sodium Chloride Purity (Nº CAS: 7647-14-5)	$\geq 99.8\%$
Conductivity of the water	$< 20 \mu\text{S/cm}$ ( $25^\circ\text{C} \pm 2^\circ\text{C}$ )
Salt Solution	$(50 \pm 5) \text{ g/l}$ de NaCl
pH (Salt solution used)	6.89-7.04 ( $25^\circ\text{C} \pm 2^\circ\text{C}$ )
Density (Salt solution used)	$1031 \text{ g/cm}^3$
pH (solution collected)	6.60-7.15 ( $25^\circ\text{C} \pm 2^\circ\text{C}$ )
Density (solution collected)	$(1034-1036) \text{ g/cm}^3$
Average Rate of spray solution collected	$(1.33-1.95) \text{ ml/h}$
Mass loss in reference specimens (48 h, Steel CR4)	$(66.4-71.0) \text{ g/m}^2$
Placement of the sample (vertical, agreed with the requestor)	

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### RESULTS OF THE NEUTRAL SALT SPRAY RESISTANCE TEST

TEST HOURS	DAY	WEEK	METER	EVAUATION
0	23.10.24	43	00018	Test Beginning
288 h Intermediate visualization	04.11.24	45	00306	Photos of the visualization enclosed.
480 h Intermediate visualization	12.11.24	46	00498	Photos of the visualization enclosed. Dinnteco makes the functional control.

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720 h Intermediate visualization	22.11.24	47	00738	<b>Photos of the visualization enclosed. Dinteco makes the functional control.</b>				
								
1440 h End of the test	23.12.24	52	01458	<b>Photos at the end of the test enclosed.</b>				
								

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### REMARKS

- No incidence during the test
- Test UNE-EN ISO 9227NSS:2023 according to ENAC's accreditation. Accreditation Nº 1133/LE2199.
- This report has being published in English and Spanish; in case of conflict between those languages, the Spanish version always prevailed.

*The scope of this report is on the samples provided and chosen by the customers and watched over LABENCOR.*

*The samples will be stored for 3 months from the date of this report in Labencor, unless otherwise other agreement could take place with the customer.*

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