



## MarinTrust Standard V2

# By-product Fishery Assessment Report Template

**MarinTrust Programme**

Unit C, Printworks

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**Table 1 Application details and summary of the assessment outcome**

Fishery Under Assessment	Species:	Sardine ( <i>Sardina pilchardus</i> )
	Geographical area:	FAO Area 27 Atlantic Northeast
	Country of origin of the product:	Denmark
	Stock:	ICES Divisions 8.a–b and 8.d (Bay of Biscay)
Date	31/03/2021	
Report Code	BP30	
Assessor	Virginia Polonio	
Country of origin of the product - PASS	Denmark	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Name:			
Address:			
Country: Denmark		Zip:	
Tel. No.:		Fax. No.:	
Email address:		Applicant Code:	
Key Contact:		Title:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Virginia Polonio	Geraldine Criquet	0.5	Re-Approval
Assessment Period	March 2021		

Scope Details	
Main Species	Sardine ( <i>Sardina pilchardus</i> )
Stock	ICES Divisions 8.a–b and 8.d (Bay of Biscay)
Fishery Location	FAO Area 27 Atlantic Northeast
Management Authority (Country/ State)	European Union through Common Fisheries Policy and Danish Directorate of Fisheries
Gear Type(s)	Purse seine and pelagic trawls
Outcome of Assessment	
Peer Review Evaluation	Agree with assessor's determination
Recommendation	<b>APPROVED</b>

## Table 2. Assessment Determination

Assessment Determination
<p>If any species is categorised as Endangered or Critically Endangered on the IUCN Red List, or if it appears in the CITES appendices, it cannot be approved for use as Marin Trust raw material. Sardine does not appear as Endangered or Critically Endangered on the IUCN Red List, nor does it appear in the CITES appendices; therefore, Sardine (<i>Sardina pilchardus</i>) ICES Divisions 8.a–b and 8.d (Bay of Biscay) is eligible for approval for use as Marin Trust raw material.</p> <p>ICES is not aware of an agreed precautionary management plan for sardine in this area. Although the stock is assessed related to reference points. Reference points were updated in 2019. There are references points defined for this stock, therefore the stock was assessed under Category C.</p> <p>In the last stock assessment, removals are considered and the stock is above <math>B_{lim}</math> and <math>MSYB_{trigger}</math>. Therefore, the fishery <b>PASSES</b> clauses C1.1 and C1.2.</p> <p>Sardine (<i>Sardina pilchardus</i>) in ICES Divisions 8.a–b and 8.d (Bay of Biscay) is <b>APPROVED</b> by the assessor for the production of fishmeal and fish oil under the Marin Trust v 2.0 by-products standard.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified Bay of Biscay sardine stock as category C, this stock is managed and reference points are defined.</p> <p>Fishery removals are considered in the stock assessment process. The most recent stock assessment shows that the stock is above <math>B_{lim}</math> and <math>MSYB_{trigger}</math>. Therefore, the stock is considered to have a biomass above the limit reference point.</p> <p>The Bay of Biscay sardine stock passes both Clauses C1.1 and C1.2 and is therefore approved under the Marin Trust v 2.0 by-products standard.</p>
Notes for On-site Auditor

## Species Categorisation

**NB:** If any species is categorised as Endangered or Critically Endangered on the IUCN Red List, or if it appears in CITES Appendix 1, it **cannot** be approved for use as an MARINTRUST raw material.

### IUCN Redlist Category

By-product material from a species listed by IUCN (the International Union for Conservation of Nature) under the Red List for the following categories shall immediately fail the assessment;

- EXTINCT (E) AND EXTINCT IN THE WILD (EW)
- CRITICALLY ENDANGERED (CR) facing an extremely high risk of extinction in the wild.
- ENDANGERED (EN) facing a very high risk of extinction in the wild.

By-product material may be used from the following categories provided that all clauses in the MarinTrust standard are passed.

- VULNERABLE (VU) facing a high risk of extinction in the wild.
- NEAR THREATENED (NT) does not qualify for above now, but is close or is likely to qualify for, a threatened category in the near future.
- LEAST CONCERN (LC) Widespread and abundant.
- DATA DEFICIENT (DD) and NOT EVALUATED (NE)

## Table 3 Species Categorisation Table

Common name	Latin name	Stock	Management	Category	IUCN Red List Category <sup>1</sup>	CITES Appendix 1 <sup>2</sup>
Sardine	<i>Sardina pilchardus</i>	ICES in divisions 8.a–b and 8.d (Bay of Biscay)	EU (CFP) and Danish Directorate of Fisheries	C	LC	No

<sup>1</sup> <https://www.iucnredlist.org/>

<sup>2</sup> <https://cites.org/eng/app/appendices.php>

## CATEGORY C SPECIES

In a whole fish assessment, Category C species are those which make up less than 5% of landings, but which are subject to a species-specific management regime. In most cases this will be because they are a commercial target in a fishery other than the one under assessment.

Clause C1 should be completed for **each** Category C species. If there are no Category C species in the fishery under assessment, this section can be deleted. Where a species fails this Clause, it may be assessed as a Category D species instead, EXCEPT if there is evidence that it is currently below the limit reference point.

<b>Species Name</b>		Sardine, <i>Sardina pilchardus</i>	
<b>C1</b>	<b>Category C Stock Status - Minimum Requirements</b>		
	<b>C1.1</b>	Fishery removals of the species in the fishery under assessment are included in the stock assessment process, OR are considered by scientific authorities to be negligible.	PASS
	<b>C1.2</b>	The species is considered, in its most recent stock assessment, to have a biomass above the limit reference point (or proxy), OR removals by the fishery under assessment are considered by scientific authorities to be negligible.	PASS
<b>Clause outcome:</b>			PASS
<p><b>C1.1 Fishery removals of the species in the fishery under assessment are included in the stock assessment process, OR are considered by scientific authorities to be negligible.</b></p> <p>The data used in the stock assessment are commercial catches (international landings; ages and length frequencies from catch sampling). Three survey indices: PELGAS (acoustic biomass, 2000-2019), BIOMAN (egg counts, 2000-2019), and DEPM Triennial survey (2011, 2014, 2017). Age composition in the PELGAS survey. Discards and bycatch are not included however, discarding and bycatch are considered negligible in the area.</p> <p>Therefore, fishery removals of the species in the fishery under assessment are included in the stock assessment process and the species <b>PASSES</b> clause C1.1.</p> <p><b>C1.2 The species is considered, in its most recent stock assessment, to have a biomass above the limit reference point (or proxy), OR removals by the fishery under assessment are considered by scientific authorities to be negligible.</b></p> <p>The spawning–stock biomass (SSB) has been relatively stable since 2012 and is above MSY Btrigger in 2020. Fishing mortality has been above FMSY since 2015. Recruitment is estimated to be above the average in the time-series in 2020. (Figure 1).</p>			



**Figure 1.** Sardine in divisions 8.a–b and 8.d. Summary of the stock assessment. Recruitment and SSB are estimated at the beginning of the year. The lighter blue 2020 bar in the recruitment graph represents the geometric mean (2000– 2019). ICES 2020.

ICES assess that fishing pressure on the stock in 2020 is below FMSY, Fpa and Flim; spawning-stock size is above MSY Btrigger, Bpa, and Blim.

Therefore, the species is considered, in its most recent stock assessment, to have a biomass above the limit reference point and the species **PASSES** the clause C1.2.

**References**

ICES. 2020. Sardine (*Sardina pilchardus*) in divisions 8.a-b and 8.d (Bay of Biscay). In Report of the ICES Advisory Committee, 2020. ICES Advice 2020, pil.27.8abd. <https://doi.org/10.17895/ices.advice.5906>.

ICES. 2020. Sardine (*Sardina pilchardus*) in divisions 8.a-b and 8.d (Bay of Biscay). In Report of the ICES Advisory Committee, 2020. ICES Advice 2020, pil.27.8abd. <https://doi.org/10.17895/ices.advice.5906>.

**Links**

MARINTRUST Standard clause	1.3.2.2
FAO CCRF	7.5.3
GSSI	D.3.04, D5.01