



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 27 Northeast Atlantic
	Country of origin of the product:	France
	Stock:	ICES in divisions 8.a–b and 8.d (Bay of Biscay)
Date	17/09/2021	
Report Code	BP183	
Assessor	Virginia Polonio	
Country of origin of the product - PASS	FRANCE	
Country of origin of the product - FAIL	NA	

Application details and summary of the assessment outcome			
Name:			
Address:			
Country: France		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	Conor Donnelly	0.5	Surveillance 1
Assessment Period	To September 2021		

Scope Details	
Main Species	Sardine (<i>Sardina pilchardus</i>)
Stock	ICES in divisions 8.a–b and 8.d (Bay of Biscay)
Fishery Location	FAO 27 Northeast Atlantic
Management Authority (Country/ State)	European Union Common Fisheries Policy / France Direction des pêches maritimes et de l'aquaculture (DPMA)
Gear Type(s)	Purse seine and pelagic trawls
Outcome of Assessment	
Peer Review Evaluation	Agree with recommendation
Recommendation	APPROVE

Table 2. Assessment Determination

Assessment Determination
<p>If any species is categorised as Endangered or Critically Endangered on IUCN’s Red List, or if it appears in the CITES appendices, it cannot be approved for use as IFFO RS raw material. Sardine (<i>Sardina pilchardus</i>) in do not appear as Endangered or Critically Endangered on IUCN’s Red List, nor do they appear in CITES appendices; therefore, Sardine (<i>Sardina pilchardus</i>) ICES in divisions 8.a–b and 8.d (Bay of Biscay) is eligible for approval for use as Marin Trust by-product raw material.</p> <p>ICES is not aware of an agreed precautionary management plan for sardine in this area although reference points are defined, and the stock status related to those reference points is known. Therefore, there is a management plan for the stock, and it has been assessed under category C.</p> <p>Fisheries removals are considered in the stock assessment and the stock has been above biomass reference points, therefore, clauses C1.1 and C1.2 are met.</p> <p>Sardine (<i>Sardina pilchardus</i>) ICES in divisions 8.a–b and 8.d (Bay of Biscay) is APPROVED by the assessors for the production of fishmeal and fish oil under the current Marin Trust v 2.0 by-products standard</p>
Fishery Assessment Peer Review Comments
<p>Agree with assessor recommendation, noting that the species is eligible for approval for use as MarinTrust by-product material and information from the stock advice shows that clauses C1.1. and C1.2 are met.</p>
Notes for On-site Auditor
Empty space for notes

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 Red list 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 ¹	CITES Appendix 1 ²
Sardine	<i>Sardina pilchardus</i>	ICES in divisions 8.a–b and 8.d (Bay of Biscay)	European Union Common Fisheries Policy / France Direction des pêches maritimes et de l'aquaculture (DPMA)	C	LC	NO

¹ <https://www.iucnredlist.org/>

² <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 should be assessed as a Category D species instead.

Species Name		Sardine, <i>Sardina pilchardus</i>	
C1	Category C Stock Status - Minimum Requirements		
	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.	Yes
	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.	Yes
			Clause outcome: PASS
<p>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.</p> <p>In the last stock assessment, the input data were as follows: 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. Discarding and bycatch are considered negligible.</p> <p>Fishery removals of the species in the fishery under assessment are included in the stock assessment process (figure 1 below) and it PASSES clause C1.1.</p> <p>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.</p> <p>The spawning–stock biomass (SSB) has been relatively stable since 2012 and is above MSY Btrigger in 2019. Fishing mortality has been above FMSY since 2015. Recruitment is estimated to be above the average in the time-series in 2019.</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). Source: ICES 2020

ICES assesses that fishing pressure on the stock is below FMSY and below 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 it **PASSES** clause C1.2

References

Tous, P., Sidibé, A, Mbye, E., de Morais, L., Camara, Y.H., Adeofe, T.A., Munroe, T., Camara, K., Cissoko, K., Djiman, R., Sagna, A. & Sylla, M. 2015. *Sardina pilchardus*. The IUCN Red List of Threatened Species 2015: e.T198580A15542481.

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