



MarinTrust Standard V2

By-product Fishery Assessment

GBR23

European pilchard (*Sardina pilchardus*) in ICES Subarea 7

MarinTrust Programme

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Table 1 Application details and summary of the assessment outcome

Fishery Under Assessment	Species:	European pilchard (<i>Sardina pilchardus</i>)
	Geographical area:	FAO 27
	Country of origin of the product:	UK
	Stock:	ICES Subarea 7
Date	August 2024	
Report Code	GBR23	
Assessor	Sam Peacock	
Country of origin of the product - PASS	UK	
Country of origin of the product - FAIL	None	

Application details and summary of the assessment outcome			
Company Name(s): Grimsby (Pelagia)			
Country: UK			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		NSF / Global Trust Certification Ltd.	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/Re-approval
Sam Peacock	Léa Lebechnech	0.2	Re-approval
Assessment Period	August 2024 – August 2025		

Scope Details	
Main Species	European pilchard (<i>Sardina pilchardus</i>)
Stock	ICES Subarea 7
Fishery Location	FAO 27
Management Authority (Country/ State)	EU
Gear Type(s)	Bottom trawl and gillnet
Outcome of Assessment	
Peer Review Evaluation	Agree with the assessor's determination
Recommendation	APPROVED

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 Marin trust raw material. European pilchard (<i>Sardina pilchardus</i>) does not appear as Endangered or Critically Endangered on IUCN’s Red List, and does not appear in CITES appendices; therefore, <i>Sardina pilchardus</i> is eligible for approval for use as Marin trust by-product raw material.</p> <p>No reference points are defined for this pilchard stock in terms of absolute values¹, and as such it was assessed under Category D.</p> <p>European pilchard was awarded an average Productivity score of 1.14 and an average Susceptibility score of 2.75, leading to a Pass rating against Table D3.</p> <p>Therefore, European pilchard (<i>Sardina pilchardus</i>) in ICES Subarea 7 is APPROVED for the production of fishmeal and fish oil under the current MarinTrust v2.3 by-products.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified European pilchard (<i>Sardina pilchardus</i>) in ICES Subarea 7 under Category D, as no reference points are defined for this stock in terms of absolute values.</p> <p>The peer reviewer agrees with the given average Productivity score of 1.14 and an average Susceptibility score of 2.75, which lead to a Pass rating against Table D3.</p> <p>Therefore, European pilchard (<i>Sardina pilchardus</i>) in ICES Subarea 7 is APPROVED for the production of fishmeal and fish oil under the current MarinTrust V2.3 by-products standards.</p>
Notes for On-site Auditor

¹ ICES (2023). Sardine (*Sardina pilchardus*) in Subarea 7 (Southern Celtic Seas, English Channel). ICES Advice: Recurrent Advice. Report. <https://doi.org/10.17895/ices.advice.21975203.v1>

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 ²	CITES Appendix 1 ³
European pilchard	<i>Sardina pilchardus</i>	ICES Subarea 7	No	D	Least Concern ⁴	No

² <https://www.iucnredlist.org/>

³ <https://cites.org/eng/app/appendices.php>

⁴ <https://www.iucnredlist.org/species/135717/4191586>

CATEGORY D SPECIES

Category D species are those which are not subject to a species-specific management regime. In the case of mixed trawl fisheries, Category D species may make up the majority of landings. The comparative lack of scientific information on the status of the population of the species means that a risk-assessment style approach must be taken.

D1	Species Name		European pilchard (<i>Sardina pilchardus</i>)		
	Productivity Attribute		Value	Score	
	Average age at maturity (years)		2 years	1	
	Average maximum age (years)		7 years	1	
	Fecundity (eggs/spawning)		156,525	1	
	Average maximum size (cm)		27.5cm	1	
	Average size at maturity (cm)		11.8cm	1	
	Reproductive strategy		Broadcast spawner	1	
	Mean trophic level		3.1	2	
	Average Productivity Score			1.14	
	Susceptibility Attribute		Value	Score	
	Availability (area overlap)		10-30%	2	
	Encounterability (the position of the stock/species within the water column relative to the fishing gear)		Targeted	3	
	Selectivity of gear type		Retained	3	
	Post-capture mortality		Retained	3	
	Average Susceptibility Score			2.75	
	PSA Risk Rating (From Table D3)			PASS	
	Compliance rating			PASS	
	Further justification for susceptibility scoring (where relevant)				
	<i>For susceptibility attributes, please provide a brief rationale for scoring of parameters where there may be uncertainty affecting your decision</i>				
	<p>European pilchard, computer generated map of global distribution. From fishbase: https://fishbase.se/summary/1350</p>				
	References				
Fishbase, European pilchard: https://fishbase.se/summary/1350					
<i>Standard clauses 1.3.2.2</i>					

Table D2 - Productivity / Susceptibility attributes and scores.

Productivity attributes	High productivity (Low risk, score = 1)	Medium productivity (medium risk, score = 2)	Low productivity (high risk, score = 3)
Average age at maturity	<5 years	5-15 years	>15 years
Average maximum age	<10 years	10-25 years	>25 years
Fecundity	>20,000 eggs per year	100-20,000 eggs per year	<100 eggs per year
Average maximum size	<100 cm	100-300 cm	>300 cm
Average size at maturity	<40 cm	40-200 cm	>200 cm
Reproductive strategy	Broadcast spawner	Demersal egg layer	Live bearer
Mean Trophic Level	<2.75	2.75-3.25	>3.25

Susceptibility attributes	Low susceptibility (Low risk, score = 1)	Medium susceptibility (medium risk, score = 2)	High susceptibility (high risk, score = 3)
Areal overlap (availability) Overlap of the fishing effort with the species range	<10% overlap	10-30% overlap	>30% overlap
Encounterability The position of the stock/species within the water column relative to the fishing gear, and the position of the stock/species within the habitat relative to the position of the gear	Low overlap with fishing gear (low encounterability).	Medium overlap with fishing gear.	High overlap with fishing gear (high encounterability). Default score for target species
Selectivity of gear type Potential of the gear to retain species	a Individuals < size at maturity are rarely caught	a Individuals < size at maturity are regularly caught.	a Individuals < size at maturity are frequently caught
	b Individuals < size at maturity can escape or avoid gear.	b Individuals < half the size at maturity can escape or avoid gear.	b Individuals < half the size at maturity are retained by gear.
Post-capture mortality (PCM) The chance that, if captured, a species would be released and that it would be in a condition permitting subsequent survival	Evidence of majority released post-capture and survival.	Evidence of some released post-capture and survival.	Retained species or majority dead when released.

D3		Average Susceptibility Score		
		1 - 1.75	1.76 - 2.24	2.25 - 3
Average Productivity Score	1 - 1.75	PASS	PASS	PASS
	1.76 - 2.24	PASS	PASS	TABLE D4
	2.25 - 3	PASS	TABLE D4	TABLE D4

D4 Species Name	
Impacts On Species Categorised as Vulnerable by D1-D3 - Minimum Requirements	
D4.1	The potential impacts of the fishery on this species are considered during the management process, and reasonable measures are taken to minimise these impacts.
D4.2	There is no substantial evidence that the fishery has a significant negative impact on the species.
Outcome:	
Evidence	
D4.1: The potential impacts of the fishery on this species are considered during the management process, and reasonable measures are taken to minimise these impacts.	
D4.2 There is no substantial evidence that the fishery has a significant negative impact on the species.	
References	
Links	
MarinTrust Standard clause	1.3.2.2, 4.1.4
FAO CCRF	7.5.1
GSSI	D.5.01