



## MarinTrust Standard V2

# By-product Fishery Assessment Anchovy (*Engraulis encrasicolus*) in ICES Subdivisions VII b.g.h.j

**MarinTrust Programme**

Unit C, Printworks

22 Amelia Street

London

SE17 3BZ

E: [standards@marin-trust.com](mailto:standards@marin-trust.com)

T: +44 2039 780 819

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

Fishery Under Assessment	Species:	Anchovy ( <i>Engraulis encrasicolus</i> )
	Geographical area:	FAO 27 Northeast Atlantic
	Country of origin of the product:	European Union (Flag countries)
	Stock:	Anchovy ( <i>Engraulis encrasicolus</i> ) in ICES Subdivisions VII b.g.h.j
Date	April 2022	
Report Code	BP_GBR07	
Assessor	Vito Romito	
Country of origin of the product - PASS	European Union (Flag countries)	
Country of origin of the product - FAIL		

Application details and summary of the assessment outcome			
Company Name(s): Pelagia			
Country: UK & Ireland			
Email address:		Applicant Code:	
Certification Body Details			
Name of Certification Body:		Global Trust Certification	
Assessor	Peer Reviewer	Assessment Days	Initial/Surveillance/ Re-approval
Vito Romito	Ivan Mateo	0.5	Surveillance 1
Assessment Period	To April 2022		

Scope Details	
Main Species	Anchovy
Stock	Anchovy ( <i>Engraulis encrasicolus</i> ) in ICES Subdivisions VII b.g.h.j
Fishery Location	Northeast Atlantic
Management Authority (Country/ State)	European Union CFP
Gear Type(s)	All
Outcome of Assessment	
Peer Review Evaluation	Agree with Assessor assessment
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 Marin Trust raw material. Anchovy (<i>Engraulis encrasicolus</i>) is neither listed as Endangered or Critically Endangered on IUCN's Red List, nor listed in CITES appendices; therefore, it is eligible for approval for use as Marin Trust by-product raw material.</p> <p>ICES is not aware of any agreed precautionary management plan for Anchovy in this area. 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. Consequently, since no specific assessment of the Anchovy (<i>Engraulis encrasicolus</i>) stock in ICES Subdivisions VII b.g.h.j is available, the stock is assessed as a category D species. The stock has passed the PSA analysis in Category D. Accordingly, this stock is <b>APPROVED</b> for the production of fishmeal and fish oil under the current Marin Trust v 2.0 Standard for by-products.</p>
Fishery Assessment Peer Review Comments
<p>The assessor correctly classified the Anchovy (<i>Engraulis encrasicolus</i>) stock in ICES Subdivisions VII b.g.h.j as category D, because there are no reference points defined to assess the stock status against.</p> <p>PSA results showed productivity scores of 1.14 and susceptibility scores of 2 which passes the requirements on Table D3. Therefore, Anchovy (<i>Engraulis encrasicolus</i>) stock in ICES Subdivisions VII b.g.h.j passes both C1.1 and C1.2 and therefore the Anchovy (<i>Engraulis encrasicolus</i>) stock in ICES Subdivisions VII b.g.h.j is approved.</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 a 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 <sup>1</sup>	CITES Appendix 1 <sup>2</sup>
Anchovy	<i>Engraulis encrasicolus</i>	Anchovy ( <i>Engraulis encrasicolus</i> ) in ICES Subdivisions VII b.g.h.j	EU CFP (assumed mostly fished by EU countries)	D	LC	No

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

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

## 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	<i>Engraulis encrasicolus</i>	
	Productivity Attribute	Value	Score
	Average age at maturity (years)	1.3 years	1
	Average maximum age (years)	5 years estimated as geometric mean	1
	Fecundity (eggs/spawning)	16,125	1
	Average maximum size (cm)	18-20 cm	1
	Average size at maturity (cm)	10.1 cm	1
	Reproductive strategy	Broadcast spawner	1
	Mean trophic level	3.1	2
	<b>Average Productivity Score</b>		<b>1.14</b>
	Susceptibility Attribute	Value	Score
	Availability (area overlap)	Widespread across Atlantic Ocean, <25% stock occurs in area fished	1
	Encounterability (the position of the stock/species within the water column relative to the fishing gear)	Depth range 20-60 m, medium overlap with trawl gear.	2
	Selectivity of gear type	Species 1 to 2 times mesh size	2
	Post-capture mortality	All retained.	3
	<b>Average Susceptibility Score</b>		<b>2</b>
	<b>PSA Risk Rating (From Table D3)</b>		<b>Pass</b>
	<b>Compliance rating</b>		<b>Pass</b>
	<b>Further justification for susceptibility scoring (where relevant)</b> <i>Not applicable.</i>		
<b>References</b>			
Fishbase. 2022. <i>Engraulis encrasicolus</i> (Linnaeus, 1758) European anchovy. Accessed 27 April 2022. <a href="https://www.fishbase.se/summary/engraulis-encrasicolus.html">https://www.fishbase.se/summary/engraulis-encrasicolus.html</a>			
ICES. 2022. ICES Advice page. <a href="https://www.ices.dk/advice/Pages/Latest-Advice.aspx">https://www.ices.dk/advice/Pages/Latest-Advice.aspx</a>			
<i>Standard clauses 1.3.2.2</i>			

Table D2 - Productivity / Susceptibility attributes and scores.

Productivity attributes	Low productivity/ High risk	Medium productivity/ Medium risk	High productivity/ Low risk
	Score 3	Score 2	Score 1
Average age at maturity (years)	>4	2 to 4	<2
Average maximum age (years)	>30	10 to 30	<10
Fecundity (eggs/spawning)	<1 000	1 000 to 10 000	>10 000
Average maximum size (cm)	>150	60 to 150	<60
Average size at maturity (cm)	>150	30 to 150	<30
Reproductive strategy	Live bearer, mouth brooder or significant parental investment	Demersal spawner "berried"	Broadcast spawner
Mean trophic level	>3.25	2.5–3.25	<2.5

Susceptibility attributes		High susceptibility/ High risk	Medium susceptibility/ Medium risk	Low susceptibility/ Low risk
		Score 3	Score 2	Score 1
Availability	1) Overlap of adult species range with fishery	>50% of stock occurs in the area fished	Between 25% and 50% of the stock occurs in the area fished	<25% of stock occurs in the area fished
	2) Distribution	Only in the country/ fishery	Limited range in the region	Throughout region/ global distribution
Encounterability	1) Habitat	Habitat preference of species make it highly likely to encounter trawl gear (e.g. demersal, muddy/sandy bottom)	Habitat preference of species make it moderately likely to encounter trawl gear (e.g. rocky bottom/reefs)	Depth or distribution of species make it unlikely to encounter trawl gear (e.g. epi-pelagic or meso-pelagic)
	2) Depth range	High overlap with trawl fishing gear (20 to 60 m depth)	Medium overlap with trawl fishing gear (10 to 20 m depth)	Low overlap with trawl fishing gear (0 to 10 m, >70 m depth)
Selectivity		Species >2 times mesh size or up to 4 m length	Species 1 to 2 times mesh size or 4 to 5 m length	Species <mesh size or >5 m length
Post capture mortality		Most dead or retained Trawl tow >3 hours	Alive after net hauled Trawl tow 0.5 to 3 hours	Released alive Trawl tow <0.5 hours

**Note:** Availability 2 is only used when there is no information for Availability 1; the most conservative score between Encounterability 1 and 2 is used.

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			
<b>Impacts On Species Categorised as Vulnerable by D1-D3 - Minimum Requirements</b>			
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.		
<b>Outcome:</b>			
<b>Evidence</b>			
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.			
<b>References</b>			
<b>Links</b>			
MarinTrust Standard clause		1.3.2.2, 4.1.4	
FAO CCRF		7.5.1	
GSSI		D.5.01	