



By-Product assessment report

BP117

Pacifico Industrial SA de CV

Document TEM-003 (prev. FISH-1) - Version 3.1

Issued April 2025 – Effective April 2025

Report code	BP117	Date of issue	June 2025
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1. Application details	
Applicant	Pacifico Industrial SA de CV
Applicant country	Mexico
2. Certification Body details	
Name of Certification Body (CB)	LRQA
Contact information for CB	mt-ca@lrqa.com
Assessor name	Blanca Gonzalez
CB internal peer reviewer name	José Peiró Crespo
Internal peer review evaluation	Agree with evaluation
Number of Assessment days	0.2 Days
Comments on the assessment	<p>All the byproduct species listed in this report are not considered and ETP species according to Marin Trust definition fulfilling this requirement for the assessment.</p> <p>The five species require a step 3 assessment evaluation due to Mexico's high-risk flag state. However, four of these byproducts are derived from a whole fish fishery that is already Marin Trust approved up to August 2025, thus step 3 was not required for these species according to Marin Trust By-product assessment criteria and risk was downgraded to medium risk.</p> <p>The species that was not included in the certification was the Pacific jack mackerel (<i>Trachurus symmetricus</i>), and the applicant provide data about the fishing area which was necessary for the Category C assessments. This allowed this species to be downgraded to medium risk approving also this byproduct.</p> <p>Since risk was downgraded for the five species to medium risk, all byproducts were approved but they should be source with caution.</p>

3. Approval validity	Valid from 06/2025	Valid until 06/2026
4. Assessment cycle	Initial	

5. By-product assessment outcomes

By-product species name <i>Common and Latin names</i>	Flag country(ies)	Fishing Areas <i>Only applicable to Step 3 assessed species</i>	MarinTrust approval status
Pilchard/Sardine - <i>Sardinops sagax</i>	Mexico	FAO 77 – Pacific, Eastern Central	Approved source with caution
Pacific thread herring - <i>Opisthonema liberate</i>	Mexico	FAO 77 – Pacific, Eastern Central	Approved source with caution
Pacific chub mackerel/macarela - <i>Scomber japonicus</i>	Mexico	FAO 77 – Pacific, Eastern Central	Approved source with caution
Japanese sardine - <i>Etrumeus teres</i> / <i>Etrumeus acuminatus</i>	Mexico	FAO 77 – Pacific, Eastern Central	Approved source with caution
Pacific jack mackerel - <i>Trachurus symmetricus</i>	Mexico	FAO 77 – Pacific, Eastern Central	Approved source with caution

Guidance for on-site auditor

For the audit, the auditor will check how the facility manages by-products deemed medium risk. Any by-products downrated from high to medium risk will require additional due diligence checks.

It is important that facilities check all raw materials from and verify their suppliers especially if there is a perceived risk of sourcing from known or suspected IUU fishing activity. This requires checking supplier records or procedures in place to understand how the supplier can ensure there is no IUU in the raw material they provide. For raw materials risk rated medium, additional or more frequent checks may be required until the facility is certain that the raw materials are not from IUU fishing activity.

The audit requirements are covered in clause 2.11.3 of the MarinTrust Global Standard for Responsible Supply of Marine Ingredients (the MarinTrust Standard) and associated interpretation guidance.

Approved by-products

- No further checks are required beyond those included in the MarinTrust Standard.

Additional checks of Approved Source with Caution by-products

- Review supplier records or procedures in place.

Additional checks of by-products Approved Source with Caution via Step 3 assessment

- In addition to checks for medium risk Approved Source with Caution by-products, by-products that have had risk downgraded from high to medium at Step 3 (use **Appendix 1** to identify these by-product species), confirm that the relevant traceability information continues to be collected for this by-product. During the audit, a traceability check on any by-products downgraded from high to medium risk shall be included as part of the required traceability checks (Section 4).

Guidance for the applicant/certificate holder

The applicant/certificate holder is responsible for ensuring the relevant actions are taken to comply with the MarinTrust Standard.

The certificate holder is responsible for communicating any changes to the by-products sourced by submitting a scope extension request through the MarinTrust online Application Portal.

Appendix 1 – assessment outcomes

Step 2 Assessment Outcomes

By-product species name <i>Common and Latin names</i>	Flag country(ies)	IUCN Red List <i>Select IUCN red list category from dropdown</i>	CITES Appendices <i>Select CITES appendix status from dropdown</i>	Step 2 risk status <i>Low risk/ Medium risk/ High risk</i>	Step 3 required <i>Yes / No</i>
Pilchard/Sardine - <i>Sardinops sagax</i>	Mexico	Least concern	Not listed	High risk	Yes
Pacific thread herring - <i>Opisthonema liberate</i>	Mexico	Least concern	Not listed	High risk	Yes
Pacific chub mackerel/macarela - <i>Scomber japonicus</i>	Mexico	Least concern	Not listed	High risk	Yes
Japanese sardine - <i>Etrumeus teres / Etrumeus acuminatus</i>	Mexico	Least concern	Not listed	High risk	Yes

Pacific jack mackerel - <i>Trachurus symmetricus</i>	Mexico	Least concern	Not listed	High risk	Yes
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Step 3 Assessment Outcomes

Assessor note: All species identified as requiring Step 3 in Table above, will have additional assessment information presented here.

By-product species name <i>Common and Latin names</i>	Flag country(ies)	Fishing Area	Stock name <i>(If applicable e.g. Eastern Pacific stock)</i>	Category C Assessment Outcome <i>Pass/Fail</i>	Traceability information <i>Path 1 – Yes OR Path 2 – Yes/No OR MT Approved Whole Fish</i>	Step 3 Risk Outcome <i>Risk downgraded to Medium Risk/ Remains High Risk</i>
Pilchard/Sardine - <i>Sardinops sagax</i>	Mexico	FAO 77 – Pacific, Eastern Central	NA	NA	<i>MT Approved Whole Fish</i>	Risk downgraded to Medium Risk
Pacific thread herring - <i>Opisthonema liberate</i>	Mexico	FAO 77 – Pacific, Eastern Central	NA	NA	<i>MT Approved Whole Fish</i>	Risk downgraded to Medium Risk
Pacific chub mackerel/macarela - <i>Scomber japonicus</i>	Mexico	FAO 77 – Pacific, Eastern Central	NA	NA	<i>MT Approved Whole Fish</i>	Risk downgraded to Medium Risk

Japanese sardine - <i>Etrumeus tere</i> / <i>Etrumeus</i> <i>acuminatus</i>	Mexico	FAO 77 – Pacific, Eastern Central	NA	NA	<i>MT Approved Whole Fish</i>	Risk downgraded to Medium Risk
Pacific jack mackerel - <i>Trachurus</i> <i>symmetricus</i>	Mexico	FAO 77 – Pacific, Eastern Central	Northwest Mexico, including the Gulf of California	Bahia Magdalena y golfo	<i>Path 2 - Yes</i>	Risk downgraded to Medium Risk
Comments on Step 3 Assessment: Assessor note: N/A						

Appendix 2 – detailed assessment outcomes

(step 2 and step 3 if applicable)

Step 2 outcomes

Assessor note: Copy and paste from Spreadsheet .

Flag state	Risk rating	Flag score	Port score	General score	Flag State is contracting party or cooperating non-contracting party to all relevant RFMOs	'Carded' under EU Carding system	Flag state party to PSMA	Flag state mandatory vessel tracking for commercial seagoing fleet	WGI Governance rank
Mexico	High	2.25	3.06	2.78	2	1	5	1	46.70%

Step 3 outcomes

Category C assessment

Assessor note: Duplicate for each species/stock

Species name		Pacific jack mackerel - <i>Trachurus symmetricus</i>	
Fishing area and stock		FAO 77 – Pacific, Eastern Central Northwest Mexico, including the Gulf of California	
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.	Pass
	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.	Pass
Clause outcome:			Pass
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.			
Clause is met considering that:			
Fishery of small pelagics in Northwest Mexico, including the Gulf of California, is regulated since 1993. The management plan was updated in 2023, and landings of all the small pelagic species are registered, thus there is a follow up of the removals (Figure 1). For management purposes species are categorized in active or passive management. Passive management is for stocks that do not require intensive management since monitoring of landings and abundance indices are considered sufficient for their management. (DOF 2023).			
Pacific jack mackerel is under a passive management because the removals of the species are considered by scientific authorities to be negligible (less than 0.1%) (Table 1) (DOF 2023, Vallarta-Zárate 2023).			

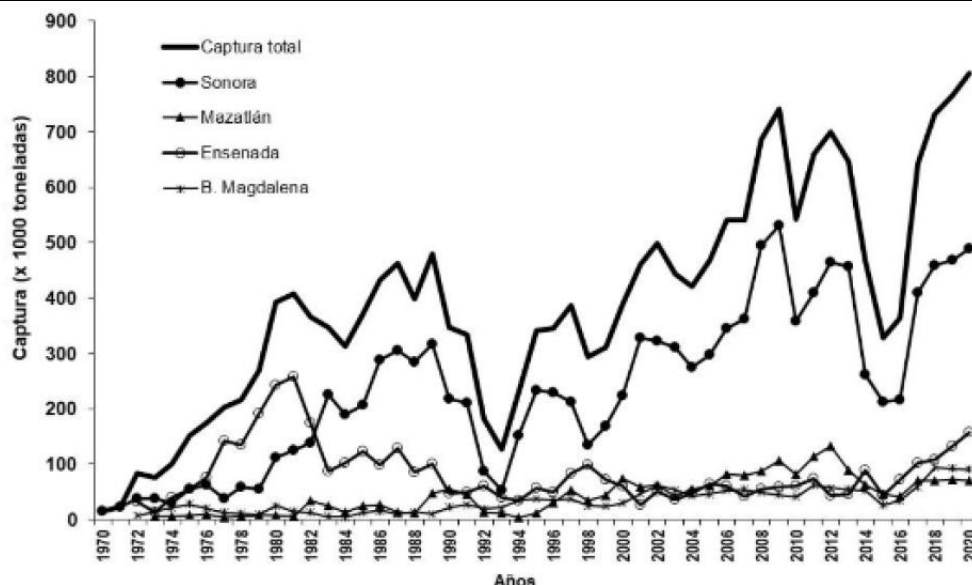


Figure 1. Total annual catch of small pelagic fish from 1970 to 2020, as well as the breakdown for the states of Baja California (Ensenada), Baja California Sur (Magdalena Bay), Sonora (Guaymas and Yavaros), and Sinaloa (Mazatlán). (DOF 2023).

Manejo activo	Manejo pasivo
Sardina monterrey	Sardina japonesa
Sardina crinuda	Sardina bocona
Sardina crinuda azul	Anchoveta
Sardina crinuda machete	Charrito
Macarela	Sardina piña

Table 1. List of small pelagics by management category. Charrito is the common name in Mexico for *Trachurus symmetricus*. (DOF 2023).

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.

Clause is met considering that:

The biomass of *Trachurus symmetricus* was estimated at 16,481.28 tons (95% CI = 6,894 – 26,887 t) (Table 2). Although the species had low catch volumes on the research cruise, its distribution was wide in the oceanic region of Baja California and northern Baja California Sur, thus the removals of the species are considered by scientific authorities to be negligible (DOF 2023, Vallarta-Zárate 2023). Species considered to be passively managed can change their status and move toward active management if biomass and landing estimations indicates that a more intense management to guarantee a sustainable exploitation of the species (DOF 2023).

<i>Trachurus symmetricus</i>			
Área (mn ²)	Fuerza de blanco	Densidad (individuos/mn ²)	Biomasa total (t)
16,481.28	-46.25	1,332,049,806	16,890

Table 2. Biomass estimation of *Trachurus symmetricus* on the western coast of Baja California (Vallarta-Zárate 2023).

References

DOF. 2023. Acuerdo por el que se da a conocer la actualización del Plan de Manejo Pesquero para la pesquería de pelágicos menores (sardinas, anchovetas, macarela y afines) del noroeste de México.

https://www.dof.gob.mx/nota_detalle_popup.php?codigo=5697452#:~:text=SEGUNDO.,19%20de%20julio%20de%202023.

Vallarta-Zárate J.R.F., L. Huidobro-Campos, M. Vásquez-Ortiz, V.H. Martínez-Magaña, E.V. Pérez-Flores, M.L. Jacob-Cervantes, L. Altamirano-López, D. Hernández-Cruz y R.I. Rojas-González. 2023. Investigaciones en la Corriente de California 2022. Evaluación de recursos pesqueros en el Noroeste Mexicano: Golfo de California y Costa Occidental de la Península de Baja California durante la primavera y verano del 2022. Campaña Océano Pacífico 2022, B/I Dr. Jorge Carranza Fraser. Instituto Nacional de Pesca y Acuicultura, Dirección de Investigación Pesquera en el Atlántico. Mayo, 2023. Informe Técnico Núm. 21. 171 p.

https://www.researchgate.net/publication/371303923_Evaluacion_de_recursos_pesqueros_en_el_Noroeste_Mexicano_Golfo_de_California_y_Costa_Occidental_de_la_Peninsula_de_Baja_California_durante_la_primavera_y_verano_del_2022_Campana_Oceano_Pacifico_2022_B

Traceability information

Information provided for Step 3 Path 1 or Path 2

Assessor note: Duplicate for each species/stock

Species name	Pacific jack mackerel - <i>Trachurus symmetricus</i>			
Path 1	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Confirm all KDEs are provided	Yes <input type="checkbox"/> No <input type="checkbox"/>			
Path 2	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes for Path 2, complete the next section			
Path 2 outcome	Flag country	Coastal score	Port score	Risk outcome

<i>Countries may be different for Coastal State and Port State.</i>	Mexico	Medium risk 2.86	Medium risk 3.06	Downgraded to medium risk
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Guidance for Applicants/Certificate holders on improved traceability

When by-product origin cannot be made more granular than major FAO Areas, or when the source fishery is taking place in the High Seas (i.e. outside of EEZs of all relevant nations), an assessor must evaluate the Coastal and Port scores for each nation that straddles that FAO Area. This may lead to higher risk outcomes for an applicant. To mitigate that risk, better practice involves securing KDEs from the source fishery of the by-products, thereby meeting Path 1 instead of Path 2.

What does better practices look like?

Comprehensive data collection and sharing: Collect detailed information using Key Data Elements (KDEs) including vessel identification and authorisation, species, catch areas, fishing method and dates. These are defined in the MarinTrust Standard clauses 2.11.2.2 and 3.2.5.

Supply chain transparency: Maintain detailed records at each step of the supply chain, from capture to final sale, to ensure traceability.

Interoperable systems and technologies to support the collection and transfer of this information.