



## By-Product assessment report

*BP 116*

*Sarval Bio-Industries S.L.U - Arteixo*

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

*Issued April 2025 – Effective April 2025*

|                    |       |                      |           |
|--------------------|-------|----------------------|-----------|
| <b>Report code</b> | BP116 | <b>Date of issue</b> | July 2025 |
|--------------------|-------|----------------------|-----------|

| 1. Application details                 |   |                    |
|--|---|--------------------|
| <b>Applicant</b>                       | Sarval Bio-Industries S.L.U - Arteixo   |                    |
| <b>Applicant country</b>               | Spain   |                    |
| 2. Certification Body details          |   |                    |
| <b>Name of Certification Body (CB)</b> | LRQA  |                    |
| <b>Contact information for CB</b>      | mt-ca@lrqa.com  |                    |
| <b>Assessor name</b>                   | Sam Peacock   |                    |
| <b>CB internal peer reviewer name</b>  | José Peiró Crespo   |                    |
| <b>Internal peer review evaluation</b> | Agree with evaluation   |                    |
| <b>Number of Assessment days</b>       | 1   |                    |
| <b>Comments on the assessment</b>      | <p>This assessment covers a large number of byproduct species and sources. Some of these byproducts are sourced exclusively from medium-risk flag states and were therefore Approved to be sourced with caution in Step 2.</p> <p>Traceability information for the remaining byproducts was requested from the applicant. Information was only forthcoming on a relatively small number of flag state/species combinations. Although the large majority of byproducts which were High Risk in Step 2 pass the Category C assessment, they cannot be reduced to Medium Risk due to the lack of traceability information. Those byproducts with traceability information are grouped in the application with byproducts which do not have this information, and so cannot be downgraded to Medium risk.</p> |                    |
| 3. Approval validity                   |   |                    |
|  | Valid from July 2025  | Valid to July 2026 |
| 4. Assessment cycle                    |   |                    |
|  | Initial   |                    |

| 1. Scope Extension Assessment          |  |                          |                    |
|--|--|--------------------------|--------------------|
| <b>Extension of the Scope</b>          | <p>For the scope extension, the high-risk-flag countries were excluded from the assessment for skipjack tuna, yellowfin tuna, albacore tuna, swordfish, and blue shark. Consequently, information related to the step 3 assessment was removed from the report.</p> <p>10 countries that were missing in the Appendix 2, Step 2 Outcomes Table were included</p>   |                          |                    |
| <b>Name of Certification Body (CB)</b> | LRQA   |                          |                    |
| <b>Contact information for CB</b>      | mt-ca@lrqa.com   |                          |                    |
| <b>Assessor name</b>                   | Blanca Gonzalez  |                          |                    |
| <b>CB internal peer reviewer name</b>  | Sam Peacock  |                          |                    |
| <b>Internal peer review evaluation</b> | Agree with evaluation  |                          |                    |
| <b>Comments on the assessment</b>      | <p>All byproduct species listed in this report are not considered ETP species under the Marin Trust definition, thereby fulfilling this requirement for the assessment. With the exception of the blue shark (<i>Prionace glauca</i>), which is listed in the CITES appendix 2, and the population in the Mediterranean is critically endangered; thus, this species IS NOT APPROVED to be used as a byproduct.</p> <p>All other species are caught by medium-risk flag countries and do not require a step 3 assessment approving the assessment, but they should be sourced with caution</p> |                          |                    |
| <b>Approval validity</b>               | <table border="1"> <tr> <td>Valid from February 2026</td> <td>Valid to July 2026</td> </tr> </table>   | Valid from February 2026 | Valid to July 2026 |
| Valid from February 2026               | Valid to July 2026   |                          |                    |

| 5. By-product assessment outcomes                         |  |  |                              |
|---|--|--|------------------------------|
| By-product species name<br><i>Common and Latin names</i>  | Flag country(ies)  | Fishing Areas<br><i>Only applicable to Step 3 assessed species</i> | MarinTrust approval status   |
| <i>Katsuwonus pelamis</i> - Skipjack tuna                 | Belize, France, Italy, Oman, Philippines, Senegal, Seychelles, South Africa, Spain   | FAO 27, 34, 47, 21, 31, 41, 51, 57, 61, 71, 77, 87                 | Approved source with caution |
| <i>Thunnus albacares</i> - Yellowfin tuna                 | Australia, Belize, Fiji, France, Ireland, Italy, Mauritius, Namibia, Oman, Philippines, Senegal, Seychelles, South Africa, Spain | FAO 21, 27, 31, 34, 41, 47, 51, 57, 61, 71, 77, 81, 87             | Approved source with caution |
| <i>Xiphias gladius</i> - Swordfish                        | Belize, Chile, Indonesia, Namibia, Portugal, Spain   | FAO 21, 27, 31, 34, 41, 47, 51, 57, 71, 77, 81, 87                 | Approved source with caution |
| <i>Thunnus alalunga</i> - Albacore tuna                   | Belize, France, Italy, Oman, Philippines, Senegal, Seychelles, South Africa, Spain   | FAO 21, 27, 31, 34, 41, 47, 71, 77, 81, 87                         | Approved source with caution |
| <i>Prionace glauca</i> – Blue shark                       | Spain, Portugal, Belize, Chile, Namibia, Indonesia   | FAO 21, 27, 31, 34, 41, 47, 51, 57, 71, 77, 81, 87                 | Not approved                 |
| <i>Sardina pilchardus</i> European pilchard               | Croatia, Marruecos, Portugal, Spain, UK  | FAO 27, 37   | Approved source with caution |
| <i>Sardina pilchardus</i> European pilchard               | Croatia, Marruecos, Portugal, Spain, UK  | FAO 34   | Approved                     |
| <i>Scomber colias</i> - Atlantic chub mackerel            | Portugal, Spain  | FAO 21, 27, 31, 34, 41, 47   | Approved source with caution |
| <i>Scomber japonicus</i> - Pacific chub mackerel/macarela | Portugal, Spain  | FAO 61, 71, 77, 87   | Approved source with caution |
| <i>Scomber scombrus</i> Mackerel                          | Portugal, Spain  | FAO 21, 27, 31, 34, 41, 47   | Approved source with caution |

|  |                 |                               |                                 |
|--|-----------------|-------------------------------|---------------------------------|
| <i>Merluccius merluccius</i><br>European hake                    | Spain, France   | FAO 21, 27,<br>31, 34, 41, 47 | Approved source with<br>caution |
| <i>Merluccius capensis</i> -<br>Hake                             | Spain, France   | FAO 21, 27,<br>31, 34, 41, 47 | Approved source with<br>caution |
| <i>Merluccius hubbsi</i><br>Argentine hake/merluza               | Spain, France   | FAO 21, 27,<br>31, 34, 41, 47 | Approved source with<br>caution |
| <i>Merluccius gayi</i> - South<br>Pacific hake                   | Spain, France   | FAO 61, 71,<br>77, 87         | Approved source with<br>caution |
| <i>Gadus morhua</i> - Cod  | Portugal, Spain | FAO 21, 27,<br>31, 34, 41, 47 | Approved source with<br>caution |
| <i>Micromesistius<br/>poutassou</i><br>Blue whiting              | Spain           | FAO 21, 27,<br>31, 34, 41, 47 | Approved source with<br>caution |
| <i>Illex argentinus</i> -<br>Argentine<br>shortfin squid         | Spain           | FAO 21, 27,<br>31, 34, 41, 47 | Approved source with<br>caution |
| <i>Dosidicus gigas</i> -<br>Humboldt squid/Jumbo<br>flying squid | Spain           | FAO 61, 71,<br>77, 87         | Approved source with<br>caution |
| <i>Loligo vulgaris</i> - Squid                                   | Spain           | FAO 21, 27,<br>31, 34, 41, 47 | Approved source with<br>caution |
| <i>Sepia officinalis</i> -<br>Cuttlefish                         | Spain           | FAO 51, 57                    | Approved source with<br>caution |
| <i>Loligo vulgaris</i> - Squid                                   | Spain           | FAO 77, 81,<br>87             | Approved source with<br>caution |
| <i>Loligo duvauceli</i> - Indian<br>squid                        | Spain           | FAO 51, 57                    | Approved source with<br>caution |
| <i>Helicolenus<br/>dectylopterus</i> –<br>Blackbelly rosefish    | Spain           | FAO 21, 27, 31, 34,<br>41, 47 | Approved source with<br>caution |
| <i>Scomberesox saurus</i> –<br>Atlantic saury                    | Spain           | FAO 21, 27, 31, 34,<br>41, 47 | Approved source with<br>caution |
| <i>Lepidorhombus boscii</i> –<br>Four-spot megrim                | Spain           | FAO 21, 27, 31, 34,<br>41, 47 | Approved source with<br>caution |

|  |       |                            |                              |
|--|-------|----------------------------|------------------------------|
| <i>Lepidocybium flavobrunneum</i> – Escolar      | Spain | FAO 21, 27, 31, 34, 41, 47 | Approved source with caution |
| <i>Doryteuthis gahi</i> – Patagonian squid       | Spain | FAO 21, 27, 31, 34, 41, 47 | Approved source with caution |
| <i>Sepia pharaonic</i> – Pharaoh cuttlefish      | Spain | FAO 21, 27, 31, 34, 41, 47 | Approved source with caution |
| <i>Octopus vulgaris</i> – Common octopus         | Spain | FAO 21, 27, 31, 34, 41, 47 | Approved source with caution |
| <i>Engraulis encrasicolus</i> – European anchovy | Spain | FAO 21, 27, 31, 34, 41, 47 | Approved source with caution |
| <i>Lophius piscatorius</i> - Anglerfish          | Spain | FAO 21, 27, 31, 34, 41, 47 | Approved source with caution |

**Guidance for on-site auditor**

The applicant originally didn't provide traceability information to complete step 3 for the high-risk flag states, consequently most of the fisheries fail the assessment. In the scope extension, all high-risk flag states were removed, allowing the fisheries to be approved. It is important to verify that the applicant can really separate out the fisheries resources caught by high and medium risk flag states and that no by-products from the following flag states countries are used:

- **Skipjack tuna (*Katsuwonus pelamis*)**- China, Ecuador, El Salvador, Filipinas, Guinea, Kiribati, Korea, Panama, Papua New Guinea, Nicaragua, Taiwan, USA, Venezuela.
- **Yellowfin tuna (*Thunnus albacares*)** – China, Ecuador, El Salvador, Guinea, Kiribati, Korea, Nicaragua, Panama, Papua New Guinea, Taiwan, USA, Venezuela.
- **Swordfish (*Xiphias gladius*)** - Ecuador, China, Kenya.
- **Albacore tuna (*Thunnus alalunga*)**- China, Ecuador, El Salvador, Guinea, Kiribati, Korea, Nicaragua, Panama, Papua New Guinea, Taiwan, USA, Venezuela.

Although USA and Kenya are medium risk they were also excluded from the assessment in the scope extension.

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<br><i>Common and Latin names</i> | Flag country(ies)  | IUCN Red List<br><i>Select IUCN red list category from dropdown</i> | CITES Appendices<br><i>Select CITES appendix status from dropdown</i> | Step 2 risk status<br><i>Low risk/ Medium risk/ High risk</i> | Step 3 required<br><i>Yes / No</i> |
|--|--|---|---|---|------------------------------------|
| <i>Katsuwonus pelamis</i> - Skipjack tuna                | Belize, France, Italy, Oman, Philippines, Senegal, Seychelles, South Africa, Spain   | Least concern   | Not listed  | Medium Risk   | No                                 |
| <i>Thunnus albacares</i> -Yellowfin tuna                 | Australia, Belize, Fiji, France, Ireland, Italy, Mauritius, Namibia, Oman, Philippines, Senegal, Seychelles, South Africa, Spain | Least Concern   | Not listed  | Medium Risk   | No                                 |
| <i>Xiphias gladius</i> - Swordfish                       | Belize, Chile, Indonesia, Namibia, Portugal, Spain   | Near Threatened   | Not listed  | Medium Risk   | No                                 |

|   |  |   |            |             |    |
|---|--|---|------------|-------------|----|
| <i>Thunnus alalunga</i> - Albacore tuna                   | Belize, France, Italy, Oman, Philippines, Senegal, Seychelles, South Africa, Spain | Least Concern   | Not listed | Medium Risk | No |
| <i>Prionace glauca</i> – Blue shark                       | Spain, Portugal, Belize, Chile, Namibia, Indonesia                                 | Near threatened globally, Critically Endangered in the Mediterranean. | Appendix 2 | NA          | NA |
| <i>Sardina pilchardus</i> European pilchard               | Croatia, Marruecos, Portugal, Spain, UK  | Near threatened   | Not listed | Medium Risk | No |
| <i>Scomber colias</i> - Atlantic chub mackerel            | Portugal, Spain  | Near threatened   | Not listed | Medium Risk | No |
| <i>Scomber japonicus</i> - Pacific chub mackerel/macarela | Portugal, Spain  | Least concern   | Not listed | Medium Risk | No |
| <i>Scomber scombrus</i> Mackerel                          | Portugal, Spain  | Least concern   | Not listed | Medium Risk | No |

|   |                 |                |            |             |    |
|---|-----------------|----------------|------------|-------------|----|
| <i>Merluccius merluccius</i><br>European hake         | Spain, France   | Vulnerable     | Not listed | Medium Risk | No |
| <i>Merluccius capensis</i> - Hake                     | Spain, France   | Least concern  | Not listed | Medium Risk | No |
| <i>Merluccius hubbsi</i><br>Argentine hake/merluza    | Spain, France   | Not evaluated  | Not listed | Medium Risk | No |
| <i>Merluccius gayi</i> -<br>South Pacific hake        | Spain, France   | Data deficient | Not listed | Medium Risk | No |
| <i>Gadus morhua</i> -<br>Cod                          | Portugal, Spain | Vulnerable     | Not listed | Medium Risk | No |
| <i>Micromesistius poutassou</i><br>Blue whiting       | Spain           | Least concern  | Not listed | Medium Risk | No |
| <i>Illex argentinus</i> -<br>Argentine shortfin squid | Spain           | Least concern  | Not listed | Medium Risk | No |

|  |       |                |            |             |    |
|--|-------|----------------|------------|-------------|----|
| <i>Dosidicus gigas</i> - Humboldt squid/Jumbo flying squid | Spain | Data deficient | Not listed | Medium Risk | No |
| <i>Loligo vulgaris</i> - Squid                             | Spain | Data deficient | Not listed | Medium Risk | No |
| <i>Sepia officinalis</i> - Cuttlefish                      | Spain | Least concern  | Not listed | Medium Risk | No |
| <i>Loligo vulgaris</i> - Squid                             | Spain | Data deficient | Not listed | Medium Risk | No |
| <i>Loligo duvauceli</i> - Indian squid                     | Spain | Data deficient | Not listed | Medium Risk | No |
| <i>Helicolenus dactylopterus</i> - Blackbelly rosefish     | Spain | Least concern  | Not listed | Medium Risk | No |
| <i>Scomberesox saurus</i> - Atlantic saury                 | Spain | Least concern  | Not listed | Medium Risk | No |
| <i>Lepidorhombus boscii</i> - Four-spot megrim             | Spain | Least concern  | Not listed | Medium Risk | No |

|  |       |                |            |             |    |
|--|-------|----------------|------------|-------------|----|
| <i>Lepidocybium flavobrunneum</i> – Escolar      | Spain | Least concern  | Not listed | Medium Risk | No |
| <i>Doryteuthis gahi</i> – Patagonian squid       | Spain | Least concern  | Not listed | Medium Risk | No |
| <i>Sepia pharaonis</i> – Pharaoh cuttlefish      | Spain | Data deficient | Not listed | Medium Risk | No |
| <i>Octopus vulgaris</i> – Common octopus         | Spain | Least concern  | Not listed | Medium Risk | No |
| <i>Engraulis encrasicolus</i> – European anchovy | Spain | Least concern  | Not listed | Medium Risk | No |
| <i>Lophius piscatorius</i> - Anglerfish          | Spain | Least concern  | Not listed | Medium Risk | No |

### Step 3 Assessment Outcomes

| <b>By-product species name</b><br><br><i>Common and Latin names</i> | <b>Flag country(ies)</b> | <b>Fishing Area</b> | <b>Stock name</b><br><br><i>(If applicable e.g. Eastern Pacific stock)</i> | <b>Category C Assessment Outcome</b><br><br><i>Pass/Fail</i> | <b>Traceability information</b><br><br><i>Path 1 – Yes OR<br/>Path 2 – Yes/No OR<br/>MT Approved Whole Fish</i> | <b>Step 3 Risk Outcome</b><br><br><i>Risk downgraded to Medium Risk/ Remains High Risk</i> |
|---|--------------------------|---------------------|--|--|---|--|
|   |                          |                     |  |  |   |  |
|   |                          |                     |  |  |   |  |
|   |                          |                     |  |  |   |  |

## Appendix 2 – detailed assessment outcomes (step 2 and step 3 if applicable)

### Step 2 outcomes

| Flag state (dropdown) | 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 |
|-----------------------|-------------|------------|------------|---------------|--|----------------------------------|--------------------------|--|---------------------|
| Australia             | Medium      | 2.42       | 1.94       | 1.27          | 1  | 1                                | 1                        | 1  | 99.53%              |
| Belize                | Medium      | 2.29       | 1.57       | 2             | 1  | 1                                |                          | 1  | 35.85%              |
| Philippines           | Medium      | 2.04       | 2.06       | 2.53          | 1  | 1                                | 1                        | 1  | 53.77%              |
| France                | Medium      | 3.17       | 2.39       | 1.67          | 1  | 1                                | 1                        | 1  | 85.38%              |
| Italy                 | Medium      | 2.54       | 2.17       | 1.73          | 1  | 1                                | 1                        | 1  | 68.87%              |
| Korea (Rep. South)    | Medium      | 3.67       | 3.11       | 1.97          | 1  | 1                                | 1                        | 1  | 83.96%              |
| Oman                  | Medium      | 1.92       | 1.6        | 2.03          | 1  | 1                                | 1                        | 1  | 65.57%              |
| South Africa          | Medium      | 2.58       | 2.67       | 2.3           | 1  | 1                                | 1                        | 1  | 44.34%              |
| Senegal               | Medium      | 2.38       | 2.72       | 2.4           | 1  | 1                                | 1                        | 1  | 41.04%              |
| Seychelles            | Medium      | 1.79       | 2.39       | 1.57          | 1  | 1                                | 1                        | 1  | 62.26%              |

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| Approved by MarinTrust Fisheries Manager

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|                |        |      |      |      |   |   |   |   |        |
|----------------|--------|------|------|------|---|---|---|---|--------|
| Spain          | Medium | 3.21 | 3.39 | 2.03 | 1 | 1 | 1 | 1 | 75.94% |
| USA            | Medium | 2.29 | 3    | 2.37 | 1 | 1 | 1 | 1 | 91.04% |
| Chile          | Medium | 2.33 | 2.39 | 1.9  | 1 | 1 | 1 | 1 | 81.13% |
| Croatia        | Medium | 1.88 | 2.22 | 2.07 | 1 | 1 | 1 | 1 | 68.40% |
| Fiji           | Medium | 2    | 2.17 | 1.9  | 1 | 1 | 1 | 1 | 50.47% |
| Indonesia      | Medium | 3.33 | 2.56 | 2.47 | 1 | 1 | 1 | 1 | 59.43% |
| Ireland        | Medium | 2.08 | 2.11 | 1.73 | 1 | 1 | 1 | 1 | 95.28% |
| Morocco        | Medium | 2.29 | 1.78 | 2.17 | 1 | 1 | 1 | 1 | 49.06% |
| Mauritius      | Medium | 2.13 | 2.72 | 1.97 | 1 | 1 | 1 | 1 | 84.43% |
| Namibia        | Medium | 1.96 | 2.33 | 2    | 1 | 1 | 1 | 1 | 52.36% |
| Portugal       | Medium | 3    | 2.44 | 1.53 | 1 | 1 | 1 | 1 | 75.00% |
| United Kingdom | Medium | 2.04 | 2.61 | 1.97 | 1 | 1 | 1 | 1 | 93.40% |

## Step 3 outcomes

### Category C assessment

|  |   |  |                        |
|--|---|--|------------------------|
| <b>Species name</b>  |   | NA   |                        |
| <b>Fishing area and stock</b>  |   |  |                        |
| <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.  |                        |
|  | <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. |                        |
|  |   |  | <b>Clause outcome:</b> |
| <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><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> |   |  |                        |
| <b>References</b>  |   |  |                        |

### Traceability information

Information provided for Step 3 Path 1 or Path 2

|  |                     |   |  |
|--|---------------------|---|--|
| <b>Species name</b>  |                     | NA  |  |
| <b>Path 1</b>  |                     | Yes <input type="checkbox"/> No <input type="checkbox"/>  |  |
| Confirm all KDEs are provided  |                     | Yes <input type="checkbox"/> No <input type="checkbox"/>  |  |
| <b>Path 2</b>  |                     | Yes <input type="checkbox"/> No <input type="checkbox"/><br><i>If yes for Path 2, complete the next section</i> |  |
| <b>Path 2 outcome</b><br><i>Countries may be different for Coastal State and Port State.</i> | <b>Flag country</b> | <b>Coastal score</b>  | <b>Port score</b>                      |
|  |                     |   |  |
|  |                     |   | <b>Risk outcome</b><br>Choose an item. |
|  |                     |   | Choose an item.                        |

