Raw materials sustainability report January June 2024

Skretting Italy

SKRETTING
a Nutreco company

Our Sustainability Strategy

The sustainability of fish and shrimp feeds depends heavily on the raw materials used in formulation. We share our commitment to sustainability with our partners in the supply chain through Nutreco's supplier Code of Conduct.

Our Code of Conduct sets out requirements on human rights, labour practices, the environment, as well as quality and food safety. We have also defined specific purchasing policies for soy and marine products, products that pose specific environmental challenges.

The Nutreco Roadmap

Nutreco and Skretting, through the **Sustainability RoadMap 2025**, are committed to ensure that all marine-derived ingredients we use are sourced sustainably in the short and long term, and that the status of stocks and their evolution are publicly reported in a transparent manner. We also actively work to align industry efforts towards better fisheries management. Our ambition is that all the fishmeal and fish oil we use comes from fisheries managed according to the **FAO Code of Conduct for Responsible Fisheries**.

In addition to products from industrial fisheries, we are increasing the use of by-products (or 'trimmings') from fish processed for human consumption. It is estimated that 29% of fishmeal globally available on the market is derived from by-products. This also allows us to use ingredients that are not in direct competition with food and support the development of a **circular economy.**

Marine raw materials

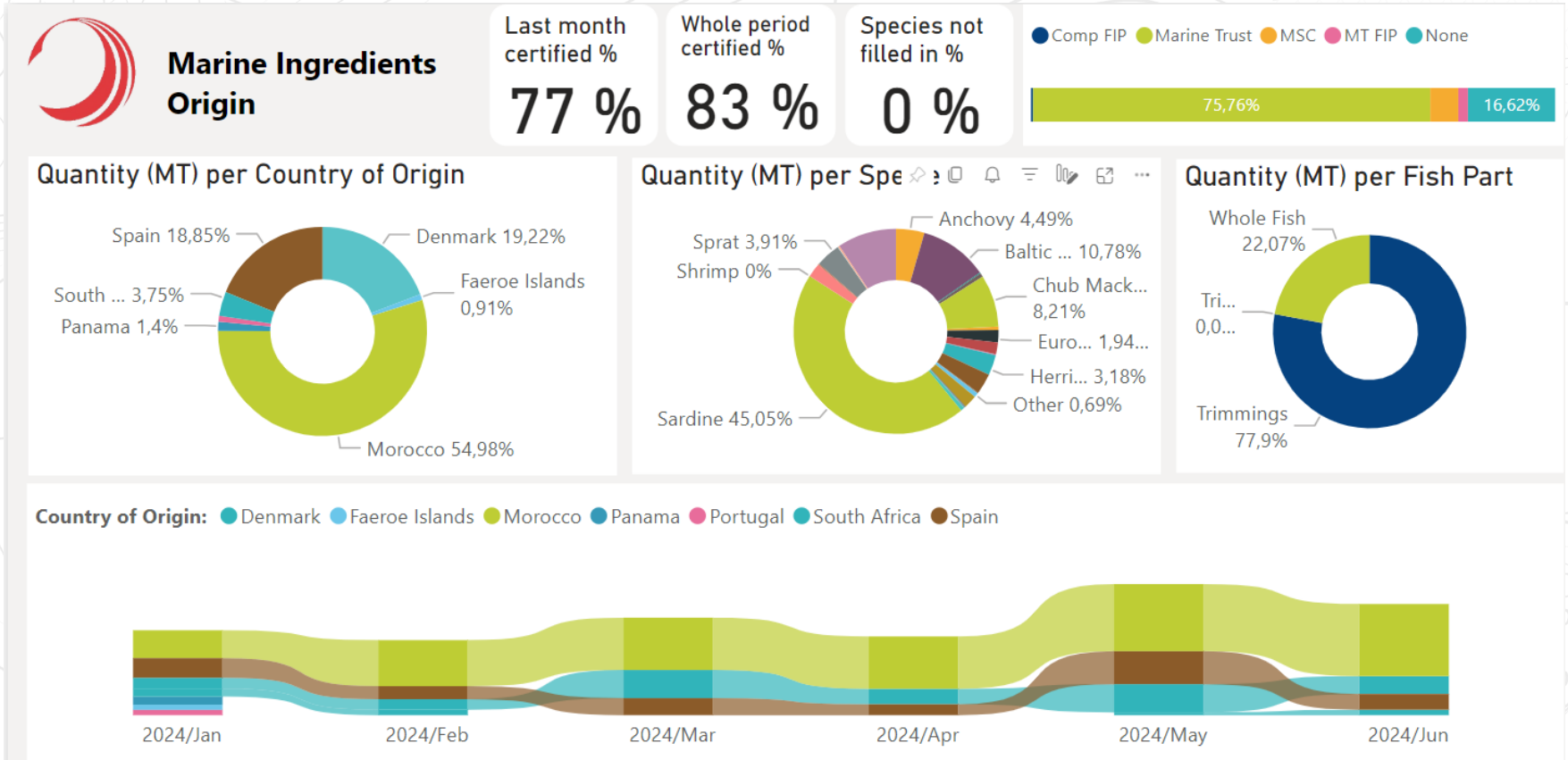
Skretting has established a responsible purchasing policy for raw materials of marine origin (available here) that commits us to be transparent and communicate their origin, in particular

the species and fishing areas

the proportion of raw materials coming from industrial fishing and those coming from by-products the certification status of raw materials from industrial fisheries.

The data in this report refer to raw materials used by Skretting Italy in the first half of 2024.

Fish meals


Marine Ingredients Origin
Last month certified %
77 %
Whole period certified %
83 %
Species not filled in %
0 %
Comp FIP
Marine Trust
MSC
MT FIP
None
75,76%
16,62%
Quantity (MT) per Country of Origin
Spain 18,85%
Denmark 19,22%
Faeroe Islands 0,91%
South ... 3,75%
Panama 1,4%
Morocco 54,98%
Quantity (MT) per Spe
Anchovy 4,49%
Sprat 3,91%
Baltic ... 10,78%
Shrimp 0%
Chub Mack... 8,21%
Euro... 1,94...
Herri... 3,18%
Other 0,69%
Sardine 45,05%
Quantity (MT) per Fish Part
Whole Fish 22,07%
Tri... 0,0...
Trimmings 77,9%
Country of Origin:
Denmark
Faeroe Islands
Morocco
Panama
Portugal
South Africa
Spain
2024/Jan
2024/Feb
2024/Mar
2024/Apr
2024/May
2024/Jun

Fish meals

Country Origin		Denmark	Faeroe Island	Marocco	Panama	Potugal	South Africa	Spain	**Total**
Fish part	Species *	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	**Quantity (%)**
Trimmings	Trimmings **Total**	**4,1**		**52,8**		**0,9**	**1,3**	**18,8**	**77,9**
	Albacore							5,1	**5,1**
	Anchovy						1,3		**1,3**
	Beaked redfish	0,1							**0,1**
	Blue whiting							0,1	**0,1**
	Capelin	0,4							**0,4**
	Chub Mackerel			5,4		0,1			**5,5**
	Cod	0,3				0,0		0,0	**0,4**
	European pilchard			0,9		0,0		0,3	**1,3**
	Frigate Tuna							1,2	**1,2**
	Hake					0,0		0,0	**0,1**
	Herring	0,4							**0,4**
	Krill							0,0	**0,0**
	Mackerel	1,5		19,0		0,0		2,9	**23,4**
	North sea Herring	1,3							**1,3**
	Other	0,0						0,4	**0,5**
	Pacific Whiting							0,0	**0,0**
	Plaice	0,0							**0,0**
	Saithe	0,1							**0,1**
	Sardine			27,5				1,2	**28,7**
	Skipjack Tuna					0,2		1,3	**1,5**
	Sqid							0,1	**0,1**
	Yellowfin Tuna					0,6		6,1	**6,7**
	Trimmings **Total**			**0,0**					**0,0**

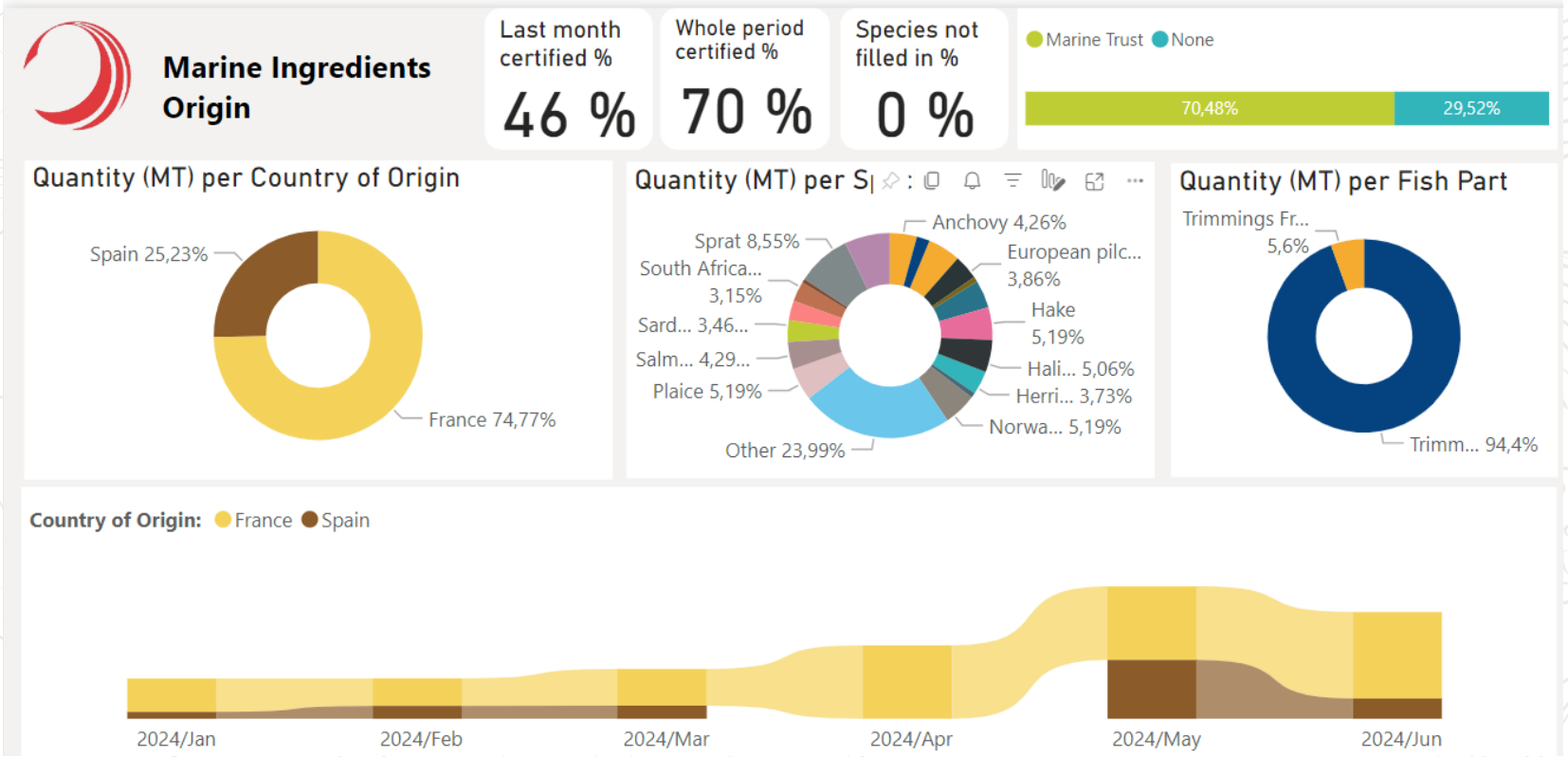
* allegato 1 pag. 13

Fish meals

Country Origin		Denmark	Faeroe Island	Marocco	Panama	Potugal	South Africa	Spain	**Total**
Fish part	Species *	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	**Quantity (%)**
Whole Fish	Whole Fish **Total**	**15,1**	**0,9**	**2,1**	**1,4**		**2,5**		**22,1**
	Anchovy						1,8		**1,8**
	Baltic Sprat	7,3							**7,3**
	Blue whiting	1,8	0,9						**2,7**
	Chub Mackerel						0,1		**0,1**
	European pilchard	0,0					0,0		**0,0**
	Haddock	0,0							**0,0**
	Herring	1,8							**1,8**
	Mackerel	0,2		1,1					**1,3**
	North sea Herring	0,9							**0,9**
	Norway Pout	0,1							**0,1**
	Other	0,0							**0,0**
	Pacific Anchoveta				1,4				**1,4**
	Pollock	0,1							**0,1**
	Sandeel	0,4							**0,4**
	Sardine			1,1			0,5		**1,6**
	South African Pilch.						0,1		**0,1**
	Sprat	2,6							**2,6**
Total		**19,2**	**0,9**	**55,00**	**1,4**	**0,9**	**3,7**	**13,8**	**100,0**

* allegato 1 pag. 13

Fish oils


Marine Ingredients Origin
Last month certified %
46 %
Whole period certified %
70 %
Species not filled in %
0 %
Marine Trust
None
70,48%
29,52%
Quantity (MT) per Country of Origin
Spain 25,23%
France 74,77%
Quantity (MT) per S
Anchovy 4,26%
European pilc... 3,86%
Hake 5,19%
Hali... 5,06%
Herri... 3,73%
Norwa... 5,19%
Other 23,99%
Plaice 5,19%
Salm... 4,29%
Sard... 3,46%
South Africa... 3,15%
Sprat 8,55%
Quantity (MT) per Fish Part
Trimmings Fr... 5,6%
Trimm... 94,4%
Country of Origin:
France
Spain
2024/Jan
2024/Feb
2024/Mar
2024/Apr
2024/May
2024/Jun

Fish oils

Fish oil		France	Spain	**Total**
Fish part hierarchy Fish Part	Fish part hierachy Species*	Quantity (%)	Quantity (%)	**Quantity (%)**
Trimmings	**Total**	**74,1**	**20,3**	**94,4**
	Albacore		1,3	**1,3**
	Anchovy	3,2	0,4	**3,7**
	Atlantic Salmon	1,1		**1,1**
	Blue whiting	0,7		**0,7**
	Cod	4,5		**4,5**
	European pilchard	2,0	1,3	**3,3**
	Frostfish	0,7		**0,7**
	Haddock	3,8		**3,8**
	Hake	4,5		**4,5**
	Halibut	4,3		**4,3**
	Herring	3,2		**3,2**
	Mackerel	7,7	4,5	**12,2**
	New Zeland ling	0,7		**0,7**
	Norway pout	4,5		**4,5**
	Other	20,6		**20,6**
	Plaice	4,5		**4,5**
	Sardine	1,2	1,8	**3,0**
	Skipjack Tuna		2,6	**2,6**
	South African Pilchard	2,7		**2,7**
	South American Plichard	0,5		**0,5**
	Sprat	3,9	3,4	**7,3**
	Yellowfin Tuna		4,9	**4,9**
Trimmings **Total**		**0,7**	**4,9**	**5,6**
Total		**74,8**	**25,2**	**100,0**

* allegato 1 pag. 13

Skretting classes marine raw materials

Skretting class	Aquaculture by-products	Fishery by-products	Industrial fishing
A+	From ASC or BAP certified farms	MSC certified or according to a scheme recognised by GSSI	MSC certified or according to a scheme recognised by GSSI
A	MarinTrust certificate or from herds in MarinTrust/BAP improvement plan, or traced (species and country)	MarinTrust certificate and accompanied by species declaration (each delivery) **72,5%**	Fully recognised MarinTrust or FIP certificate (MSC) **87,5%**
A-	From products for human consumption and traced (species and country) **100%**	Derived from species not on the UCN red list and traced (producer and species each delivery) **27,5%**	FIP recognised by MarinTrust or producer included in Improvers Programme **12,5%**
B		Supplier's declaration (also annual) indicating the species	Combined Fish Score >30 for all categories **0%**
C			Coming from a country not at high risk of IUU fishing

Soy

Every year, about 480,000 hectares are cleared and put under soybean cultivation by major countries producers.. Soybean is a valuable crop for several reasons: it 'fixes' nitrogen by reducing the need for nitrogen fertilisers, it is an excellent source of protein (and thus one of the possible alternatives to fishmeal in fish feed), and it is richer in oil than most llegums. Until a few decades ago, tropical forest soils were not considered suitable for soybean. However, advances in cultivation methods and the selection of new varieties have made it possible to grow soy profitably in new environments, including tropical forests. Within a short time, Brazil became the second largest soya producing country in the world - and soya became one of the main drivers of deforestation. Nutreco has established a responsible purchasing policy for soya (available here) that is based on a country risk analysis and available certifications. The data in this report refer to the raw materials used by Skretting Italy in the first half of 2024.

Nutreco classes soy and derivatives

Nutreco classes	Traceability criteria	Purchase criteria	Situation July-December 2023
A	Route to Country or Area	If at high risk of deforestation certification required. Physical segregation required.	100%
B	Traceability to a country or area at high risk of deforestation	Certification with mass balance or credits required. Physical segregation required.	0
C	Traceability to a country or area at high risk of deforestation	Certification excluding illegal deforestation required. Physical segregation required.	0
D	Traceability to a country or area at high risk of deforestation	No certification.	0

Annex 1

Tabelle specie	
Cod	*Gadus morhua*
European pilchard	*Sardina pilchardus*
Haddock	*Melanogrammus aeglefinus*
Hake	*Merluccius merluccius*
Herring	*Clupea harengus*
Frigate Tuna	*Auxis Thazard*
Mackerel	*Scomber scombrus*
Norway pout	*Trisopterus esmarkii*
Plaice	*Pleuronectes platessa*
Sardine	*Sardina pilchardus*
Sprat	*Sprattus sprattus*
Striped Tuna	*Katsuwonus pelamis*
Tuna	*Thunnus*
Yellowfin Tuna	*Thunnus albacares*
Baltic Sprat	*Sprattus*
Blue whiting	*Micromesistius poutassou*
Capelin	*Mallotus villosus*
Krill	*Euphausiacea*
Peruvian anchoveta	*Engraulis ringens*
Sandeel	*Ammodytidae*
Anchovy	*Engraulidae*
Pollock	*Pollachius*
Saithe	*Pollachius virens*
Salmon	*Salmo salar*
Greater argentine	*Argentina silus*
Rainbow Sardinella	*Dussumeria acuta*
Skipjack tuna	*Katsuwonus palamis*
Squid	*Loligo vulgaris*
Red Eye Herring	*Etrumeus teres*
Chub Mackerel	*Scomber japonicus*
Horse mackerel	*Scomber colias*

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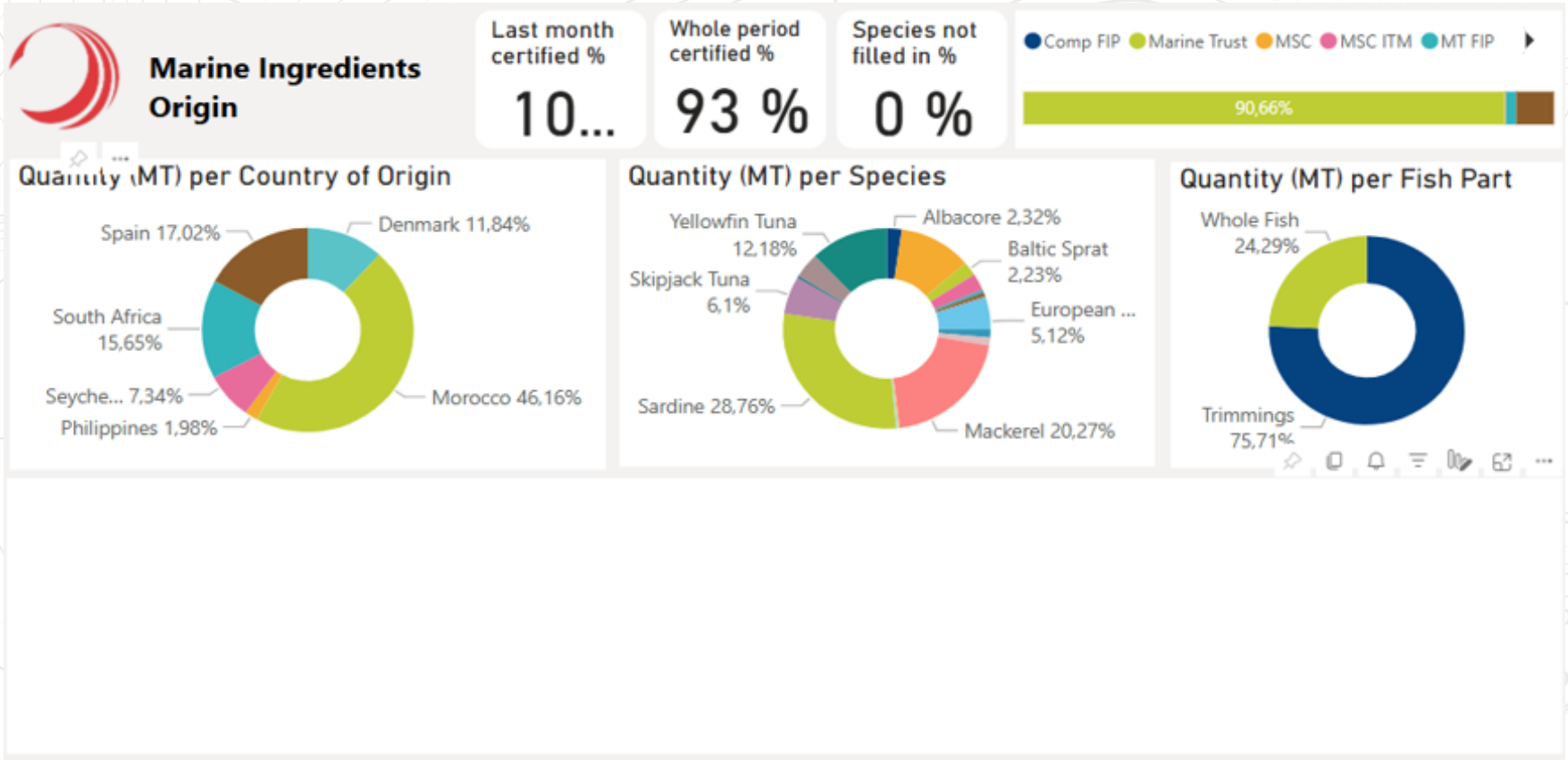
Fish meals


Marine Ingredients Origin
Last month certified %
10...
Whole period certified %
93 %
Species not filled in %
0 %
Comp FIP
Marine Trust
MSC
MSC ITM
MT FIP
90,66%
Quantity (MT) per Country of Origin
Spain 17,02%
Denmark 11,84%
South Africa 15,65%
Seyche... 7,34%
Morocco 46,16%
Philippines 1,98%
Quantity (MT) per Species
Yellowfin Tuna 12,18%
Albacore 2,32%
Baltic Sprat 2,23%
Skipjack Tuna 6,1%
European ... 5,12%
Sardine 28,76%
Mackerel 20,27%
Quantity (MT) per Fish Part
Whole Fish 24,29%
Trimmings 75,71%

Fish meals

Country Origin		Denmark	Philippines	Marocco	Seychelles	South Africa	Spain	**Total**
Fish part	Species *	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	**Quantity (%)**
Trimmings	Trimmings **Total**	**1,9**	**2,0**	**46,2**	**7,3**	**1,3**	**17,0**	**75,7**
	Anchovy					1,3		**1,3**
	Beaked redfish	0,0						**0,0**
	Chub Mackerel			0,2		0,0		**0,3**
	Cod	0,3						**0,3**
	European pilchard			4.3			0,8	**5,1**
	Frigate Tuna						1,3	**1,3**
	Horse Mackerel					0,0		**0,0**
	Mackerel	0,1		18,0			2,0	**20,2**
	North sea Herring	1,1						**1,1**
	Plaice	0,3						**0,3**
	Saithe	0,0						**0,0**
	Sardine			23,6			1,6	**25,2**
	Skipjack Tuna				3,7		2,4	**6,1**
	Yellow Tuna		2,0		3,7		8,8	**14,5**
	Trimmings **Total**			**0,0**				**0,0**

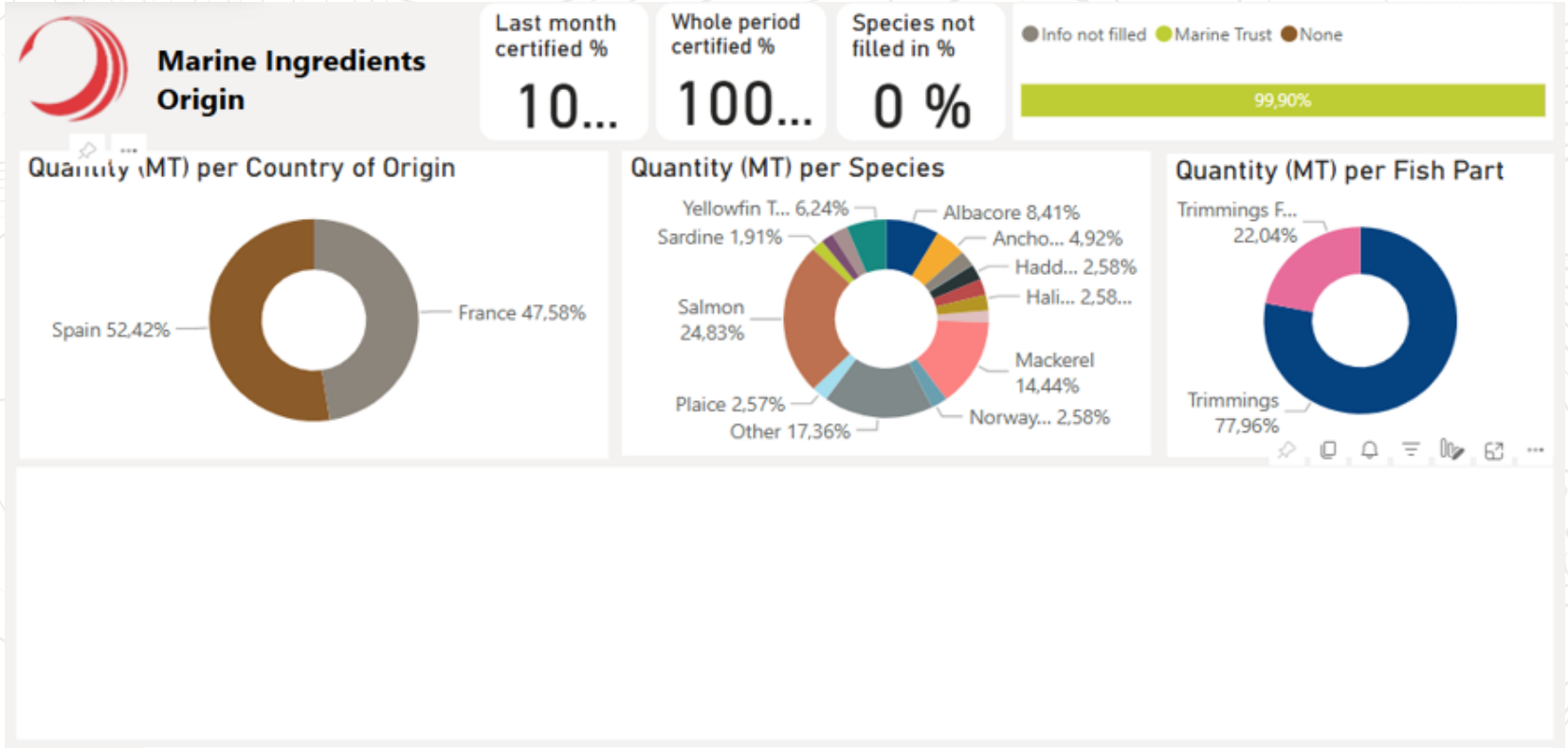
* allegato 1 pag. 13

Fish meals

Country Origin		Denmark	Philippines	Marocco	Seychelles	South Africa	Spain	**Total**
Fish part	Species *	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	Quantity (%)	**Quantity (%)**
Whole Fish	Whole Fish **Total**	**10,0**				**14,3**		**24,3**
	Anchovy					10,1		**10,1**
	Baltic Sprat	6,6						**6,6**
	Blue Whiting	2,7						**2,7**
	Boarfish	0,5						**0,5**
	Chub Mackerel					0,3		**0,3**
	Mackerel	0,1						**0,1**
	North sea Herring	0,4						**0,4**
	Sardine					3,6		**3,6**
	South African Pilch.					0,4		**0,4**
Total		**11,8**	**2,0**	**46,2**	**7,3**	**15,7**	**17,0**	**100,0**

* allegato 1 pag. 13

Fish oils


Marine Ingredients Origin
Last month certified %
10...
Whole period certified %
100...
Species not filled in %
0 %
Info not filled
Marine Trust
None
99,90%
Quantity (MT) per Country of Origin
Spain 52,42%
France 47,58%
Quantity (MT) per Species
Yellowfin T... 6,24%
Albacore 8,41%
Sardine 1,91%
Ancho... 4,92%
Hadd... 2,58%
Hali... 2,58...
Salmon 24,83%
Mackerel 14,44%
Plaice 2,57%
Norway... 2,58%
Other 17,36%
Quantity (MT) per Fish Part
Trimmings F... 22,04%
Trimmings 77,96%

Fish oils

Fish oil		France	Spain	**Total**
Fish part hierarchy - Fish part	Fish part hierachy Species*	Quantity (%)	Quantity (%)	**Quantity (%)**
Trimmings	**Total**	**47,6**	**30,4**	**78,0**
	Anchovy	1,9	3,0	**4,9**
	Cod	2,6		**2,6**
	European pilchard		0,0	**0,0**
	Haddock	2,6		**2,6**
	Hake	2,6		**2,6**
	Halibut	2,6		**2,6**
	Herring	1,9		**1,9**
	Mackerel	4,5	10,0	**14,4**
	Norway pout	2,6		**2,6**
	Other	17,4		**17,4**
	Plaice	2,6		**2,6**
	Salmon		2,8	**2,8**
	Sardine	1,9		**1,9**
	South American Plichard	1,9		**1,9**
	Sprat	2,6		**2,6**
	Yellowfin Tuna	0,0	14,6	**14,6**
Trimmings from Aquaculture	**Total**		**22,0**	**22,0**
	Salmon		22,0	**22,0**
Total		**47,6**	**52,4**	**100,0**

* allegato 1 pag. 13

Skretting classes marine raw materials

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D	Traceability to a country or area at high risk of deforestation	No certification.	0

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Sardine	*Sardina pilchardus*
Sprat	*Sprattus sprattus*
Striped Tuna	*Katsuwonus pelamis*
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Anchovy	*Engraulidae*
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Saithe	*Pollachius virens*
Salmon	*Salmo salar*
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Skipjack tuna	*Katsuwonus palamis*
Squid	*Loligo vulgaris*
Red Eye Herring	*Etrumeus teres*
Chub Mackerel	*Scomber japonicus*
Atlantic chub	*Scomber colias*
Boarfish	*Capro saper*
Halibut	*Hippoglossus hippoglossus*

Skretting is the world leader in the production and supply of feed for farmed fish and shrimp. Total annual production of high quality feeds is approximately 1.5 million tonnes. Skretting has operating companies on five continents to produce and deliver feeds from hatching to harvest for more than 60 species of farmed fish and shrimp.

www.skretting.it

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