

Company		Address	OCEANA HOUSE, 25 Jan Smuts Street, Cape Town, 8001, South Africa		
Factory address (mfv's)	Compass Challenger, Realeka, Sandile, Toralla, Beatrice Marine	Revision no.:	1		
Authorised by:	Wayne Louw (GM – Hake)	Date this issue printed:	27 August 2016		
Compiled by:	Sheldon A Breda (QA Manager)	Page:	1 of 5		
Species:	Skinless monk tail (<i>Lophius vomerinus</i>)	Specification No.:	H11	Pack Size	Random Weights

Product Description:	Skin-on monk, headed and tailed and quick frozen at sea.		
Genus & specie name:	<i>Lophius vomerinus</i>		
Catch Area:	Wild caught at South East Atlantic (FOA 47)		
Catch Method:	Demersal Trawl		
Product of:	South Africa		
Exported by:	Blue Continent Products (Pty) Ltd		
Process:	<p>Fish is processed in accordance to GMP (Good Manufacturing Practices) in a NRCS (National Regulator for Compulsory Specification) certified HACCP (Hazard Analysis Critical Control) factory.</p> <p>Fish are headed and gutted and the tail cropped at the flesh section. The skin is left on the tail. Defects due to tailing are removed/trimmed.</p> <p>The tail is washed/scrubbed in running water.</p>		
Packaging:	Outer Cartons consisting of tops and bottoms:		
	Vessel	Ref code	Internal size
	mfv Compass	48026	564 x 380 x 95
	mfv Realeka	48026	564 x 380 x 95
	mfv Sandile	48025	585 x 403 x 90
	mfv Toralla	48025	585 x 403 x 90
	mfv Beatrice Marine	48026	564 x 380 x 95
	Plastic bags and sheets:		
	Fish Size	Bags	Sheets
	Monk Tails SS	120mmx300mmx18µm	
	Monk Tails 00	120mmx300mmx18µm	
Monk Tails 0	120mmx300mmx18µm		
Monk Tails 1	120mmx300mmx18µm		
Monk Tails 2	140mmx400mmx18µm		
Monk Tails 3	200mmx500mmx18µm		

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Packing:

Fish are individually wrapped with plastic pouches which are neatly wrapped around the fish to prevent dehydration and brown pieces.

Fish are packed stomach side up with the broad side of the tails towards the outside of the carton (thinner end of tails laying next to each other).



Smaller grades have two or more layers with the middle layers packed in the middle of the carton alternating the broad and thin sides



With the bottom layer packed in the same fashion as the top layer (stomach side up with the broad side of the tails towards to the outside of the carton - thinner end of tails laying next to each other).



Extra care is taken towards tightly folding the bags around the fish to prevent dehydration and the flesh from turning brown.

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Grading:	Size grading	Weight per grading	Allowed Deviation
	Size SS	50-100g	±10g
	Size 00	100-150g	±10g
	Size 0	150-300g	±10g
	Size 1	300g-500g	±10g
	Size 2	500g-1000g	±10g
	Size 3	1000g+	±10g

Labeling:	<p>Grade of fish marked onto lid indicating the specie, size grading and manner packaged.</p> <p>Batch number stamped onto lid comprising of:</p> <p>Production date: DD/MM/YYYY (e.g. 07/11/2016)</p> <p style="text-align: right;">and</p> <p>Establishment number: TT for the mfv Realeka VS for the mfv Compass Trawler ZK for the mfv Sandile YM for the mfv Toralla Y1 for the mfv Beatrice Marine</p>
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Freezing:	<p>Product is blast frozen in racks with sleeves, with no pressure put on the fish.</p> <p>The temperature of a product is taken through the zone of maximum crystallization and down to an equilibrium temperature of -18°C or lower in a within 8-10 hours.</p>
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Storage:	Monk tails are stored in the holding room that has sufficient freezing capacity to maintain its temperature of -18°C or lower when it has been frozen to temperatures lower than -18°C
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Discharge:	Discharging of fish to cold storage on land are done in a manner as to maintain the cold chain.
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QUALITY CRITERIA

Criteria	Description	Tolerance	Not Acceptable
Odour	Fresh, strong sea weedy and characteristically fresh for the species	None	No off odours
Parasites	Presence of any parasites	Nil	The presence of parasites
Texture	Firm	Slightly soft and a little elastic	Soft texture, torn and ragged
Blood Spots, Bruising, Discolouration	Bloodspots larger or equal 25 mm and red or brown colour in the flesh.	Blood spots less than 25mm max 5 per tail	Red or brown coloured tails
Foreign Matter	Metal pieces, plastic bristles	Nil	Presence of foreign matter

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MICROBIOLOGICAL CRITERIA

MICRO-ORGANISM	MAXIMUM LIMIT	METHOD	FREQUENCY
Total Count of Viable Organisms	1x10 ⁶ /g	SANS 4833	Regulatory
<i>Clostridium perfringens</i>	Nil/25g	SANS 7937	Regulatory
Staphylococcus aureus	10/g	SANS 6888-1 and SANS 6888-2.	Regulatory
<i>Escherichia. coli</i>	Nil/10g	SANS 7251 or SANS 16649-3.	Regulatory
<i>Vibrio cholera</i>	Nil/25g	SANS 6196	Regulatory
<i>Vibrio parahaemolyticus</i>	Nil/25g	SANS 6196	Regulatory
<i>Salmonella</i>	Nil/25g	SANS 6579	Regulatory
<i>Shigella</i>	Nil/25g	SANS 6195	Regulatory

CHEMICAL CRITERIA

HEAVY METAL	MAXIMUM LIMIT	METHOD	FREQUENCY
Mercury	1ppm		For all tails >1kg
Cadmium	0.050ppm		Regulatory
Lead	0.30ppm		Regulatory

TYPICAL NUTRITIONAL INFORMATION *

Calories	76KJ/100g
Total fat	1.1g/100g
Cholesterol	24mg/100g
• Saturated fats	0
• Monounsaturated	0
• Polyunsaturated	0
Sodium	17.64/100g
Total Carbohydrates	0g
Sugars	0g/100g
Protein	14.11g/100g

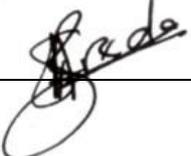
*General calculated values as per <http://nutritiondata.self.com/facts/finfish-and-shellfish-products/4080/2> and <http://www.foodnutritiontable.com/nutritions/nutrient/?id=824>

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INTENDED USE & STORAGE CONDITION BY CUSTOMER

Intended Customer	Storage	Shelf life	Instructions for Handling, Preparations and Usage	Method of Distribution
Product sold to agent/ distributor for further processing. End consumer: general public.	Product is kept at a temperature below -18° C	General: 24 months from packing date	End product to be cooked, fried, steamed or microwaved till fully cooked.	Product packed in corrugated cardboard boxes. To be transported and stored at -18°C or lower
Allergen		Fish		

Compiled by S A Breda

Signature 

Date 18 August 2016

Approved by W Louw

Signature _____

Date _____