

IMPACT DIMENSION	IMPACT INDICATOR	PERFORMANCE	RATIONALE
Life on Planet & Natural Resources			
Climate Change	Product Carbon Footprint (PCF)		<i>Low PCF (1.02 kg CO₂ eq./kg product at store)</i>
Biodiversity Loss	Loss of biodiversity & biosphere integrity		<i>Stock assumed safe: Low demand, high abundance</i>
Habitat Degradation	Destruction of Vulnerable Marine Ecosystems (VMEs)		<i>No interaction of fishing gear with habitat</i>
Freshwater Depletion	Risk of freshwater depletion		<i>No freshwater use</i>
Eutrophication	Discharge of nitrogen (N) and phosphorous (P)		<i>No use and discharge of N-P compounds</i>
Toxic Compounds	Pollution with toxic chemicals and pesticides		<i>No use and discharge of toxic compounds</i>
People & Coastal Communities			
Human Rights	Human rights & decent work conditions		<i>No formal contracts, moderate work conditions</i>
Workers' Safety	Exposure to health & safety hazards		<i>Minimal safety risk in shallow lagoons</i>
Community Inclusiveness	Fair value chain participation by communities		<i>Community-based fishery</i>
Animal Welfare			
Living Conditions	Natural behaviour during lifetime		<i>Life in the wild, no husbandry systems</i>
Physical Stress	Stress & physical damage during or after capture		<i>Moderate handling stress during catch</i>
Humane Slaughter	Pain & suffering during slaughter		<i>No stunning, chill-killing before processing</i>



BLUEYOU OCEAN IMPACT TRACKER

METHODOLOGY FOR ASSESSMENT AND SCORING GUIDEPOST WILD CAUGHT SEAFOOD

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Assessment Date: November 20 2023
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 Unit of Origin Code: W-CRB-1

Species Name: Atlantic Blue Crab
 Country of Origin: Brazil
 Catch & Harvesting Area: Santa Catarina State, Brazil, Western South Atlantic (FAO 41)
 Origin Type: Wild Capture Fisheries
 Farming / Fishing Method: Baled Lines
 Operation Type: Artisanal, small-scale

LIFE ON PLANET & NATURAL RESOURCES

Impact Dimension	Parameter for Evaluation	Assesment Indicators and Metrics	Scoring Guidepost			Score	Comments and Remarks for Assessment
			1 Negative impact / Critical performance	2 Moderate impact / Acceptable performance	3 Positive impact / Good performance		
Climate Change Impact	LCA-based carbon footprint	Carbon Footprint in Kg CO ₂ eq. / kg final product on POS in market	High footprint [> 8.0 kg CO ₂ eq./kg product at store]	Moderate footprint [3.0 - 8.0 kg CO ₂ eq./kg product at store]	Low footprint [< 3.0 kg CO ₂ eq./kg product at store]	3	Low PCF, 1.02 kg CO ₂ eq. / kg product at store
Ecosystems & Biodiversity	Biospere integrity and biodiversity loss	Biodiversity loss, ETP impact, overexploitation	Critical biodiversity loss OR significant mortality of ETP species, threatening ecosystem integrity OR stocks overexploited through fishery under assessment	Moderate risk for biodiversity loss, marginal mortality of ETP species, low risk of ecosystem integrity change, no overexploitation by the fishery under assessment	No risk for biodiversity loss, negligible mortality of ETP species, no risk of ecosystem integrity change, no overexploitation for any of the affected species	3	Stock is not assessed but assumed safe. Demand for crabs hasn't been high in this area and crabs are abundant, caught with a rather passive gear.
Habitat Degradation	Habitat system change due fishing gear impact	Destructiveness of fishing gear versus sensitivity of habitat	Irreversible damage and long term degradation to sensitive habitats	Moderate gear-seafood interaction, not highly sensitive habitat, causing some damage that is reversible	No gear-seafood interaction	3	No interaction of fishing gear with habitat
Freshwater Use	Depletion of freshwater	Use of freshwater and risk of depletion (feed and farming)	High consumption and critical risk for depletion	Moderate consumption / freshwater no depletion risk	No use of freshwater	3	No freshwater use
Eutrophication	Discharge of critical nutrients (N,P)	Risk of eutrophication in feed production and aquaculture	High risk (agriculture and aquaculture)	Moderate risk	Low / No Risk	3	No use and discharge of N-P compounds
Toxic Compounds	Pollution with chemicals and pesticides	Use of chemicals, pesticides, antibiotics and toxic compounds	Frequent and continous use as part of SOP	Moderate and occasional use under GAP	No use as part of SOP	3	No use and discharge of toxic compounds

PEOPLE & COASTAL COMMUNITIES

Human Rights & Work Conditions	Human rights and decent work conditions	Risk for human right abuse and critical work conditions (fishing and processing)	High risk	Moderate risk	Low risk	2	No formal contracts, moderate work conditions
Workers' Safety	Safe working conditons along supply chain	Risk for critical working conditions on fishery fleet and processing level	High risk	Moderate risk	Low risk	3	Minimal safety risk in shallow lagoons
Community Inclusiveness	Fair value and participation of communities	Level of involvement of local community in fishing operation and value chain	No / Low	Moderate	High	3	Community-based fishery

ANIMAL WELFARE

Living Conditions & Quality of Life	Husbandry system which respects natural behaviour	Husbandry systems, species appropriate stocking densities, natural environment	n.a.	n.a.	Default selector for wild caught seafood systems in their natural, wild environment) (species live)	3	Life in the wild, no husbandry systems
Capture, Harvesting & Handling	Reducing stress during harvesting & handling	Risk of exposure to prolonged stress, pain and injuries	High risk for prolonged stress during catch, pain and multiple injuries, high by-catch rates, risk for ghost gear mortalities	Moderate exposure to stress, improved handling and quick process of catch and handling	Optimized handling to reduce stress to minimum	2	Crab survive out of water for longer time periods, minimal stress if kept in fresh and humid environment. Chill-killed upon arrival in the processing plant.
Stunning & Humane Slaughter	Stunning before slaughtering	Objective: Vertebrate and Decapod Crustacean are stunned prior to killing	No stunning and prolonged suffering prior to death	No stunning but moderate risk for prolonged suffering	Effective stunning in place within minimal time between stunning and slaughter	2	No stunning, chill-killing before processing