

TECHNICAL DATA SHEET

Product name:	Codium seaweed – Sun dried	
Scientific name:	Codium Tomentosum	
Product code:	Codium Tomentosum Dried	
Origin:	Karachi, Pakistan – Arabian Sea	
Comercial label:	Pakistan Seaweed	
Ingredients:	100% Codium seaweed (sun dried)	

Description

Codium seaweed (Codium tomentosum), also known as "Green Sea Fingers," is a nutrient-rich marine algae used in premium skincare for hydration, soothing, and barrier support. Naturally abundant in marine polysaccharides, minerals (calcium, magnesium, potassium), and antioxidants, it offers multifunctional benefits for sensitive, dry, or stressed skin.

Nutritional facts

Composition	(Values per 100g)
Moisture	10.97%
Ash	46.44%
Protein (N x 6.25)	8.17%
Fat	0.57%
Nitrogen Free Extract	41.15%
Fiber	2.04%
Salt	11.04%
Sodium	10,000 ppm (1.0%)
Calcium	12,000 ppm (1.2%)
Phosphorus	682 ppm

(Characteristics)	Composición y valores (Composition and value)	
Organoleptic Properties	Color (Colour)	Green
	Odor (Smell)	Mild marine scent
	Taste	Salty, umami

	Texture	Soft yet resilient when rehydrated
Heavy Metals	Arsenic (As)	Not Detected
	Lead (Pb)	0.5 ppm
	Cadmium (Cd)	Not Detected
	Mercury (Hg)	Not Detected
Microbiological Profile	Aerobic Plate Count	1.4×10^3 cfu/g
	MPN Coliforms	< 3/g
	MPN Faecal Coliforms	< 3/g
	Mould and Yeast Count	8.4×10^2 cfu/g
	Salmonella spp.	Not detected / 25g
Other Parameters	Sand/Silica	18.92%

Processing

Harvested from the Arabian Sea → Cleaned → Sun dried → Properly packed for preservation.

Packaging, Storage, and Shelf Life

Packaging: Baled or packed in food-grade bags

Storage: Store in a cool, dry place (30–60% RH, 25±5°C), protected from sunlight

Shelf life: Best before 36 months under recommended storage conditions

Acceptable for

Vegetarians	Yes
Vegans	Yes
Lactovegetarians	Yes

Note:

Disclaimer:

The information provided in this technical data sheet is based on laboratory analysis and current knowledge of the product. Specifications may be subject to change without prior notice. When intended for use with vulnerable consumers (including allergy sufferers, infants, or immunocompromised individuals), it is the buyer's responsibility to determine the suitability of each batch purchased. For any inquiries regarding usage, product characteristics, or compliance with specific regulations, please contact Pakistan Seaweed Quality Department at **03316697888** or pakistanseaweed@gmail.com

References – Cosmetic Applications of <i>Codium tomentosum</i>	
Seppic – Codiavelane™ BG PF – Cosmetic active from <i>Codium tomentosum</i> for deep, immediate, and long-lasting moisturization.	https://www.ulprospector.com/en/na/PersonalCare/Detail/1432/427351/Codiavelane-BG-PF
Covalo – Codiavelane™ BG PF Ingredient Profile – INCI details, cosmetic benefits, and formulation guidelines.	https://covalo.com/ingredients/permalink/seppic-codiavelane-bg-pf
Agrimer – SeaCALM™ – Marine active from <i>Codium tomentosum</i> for soothing, anti-redness, and microbiome balance in sensitive skin care.	https://www.specialchem.com/cosmetics/product/agrimer-seacalm
Marine Drugs (2022) – Fillet Fish Fortified with Algal Extracts of <i>Codium tomentosum</i> and <i>Actinotrichia fragilis</i> as Potential Antibacterial and Antioxidant Food Supplement – demonstrates antioxidant and bioactive properties relevant to skin protection.	https://www.mdpi.com/1660-3397/20/12/785
Cosmetic Ingredient Review (CIR) – Safety assessment of algae-derived ingredients in cosmetics (framework applicable to <i>Codium</i>).	Cosmetic Ingredient Review (CIR) – Safety assessment of algae-derived ingredients in cosmetics (framework applicable to <i>Codium</i>).

Last updated: August 16, 2025