



**peruvian**

**TARA  
SEED  
GUM**



# Peruvian Tara Seed Gum

**INCI Name** Caesalpinia Spinosa Gum

**Cosmetic Regulatory** China: listed in IECIC  
Cosmos approved, 100% bio based content

**Physical Aspect** Powder

## Natural Thickener

**Caesalpinia Spinosa Gum**, consists of **polysaccharides** of high molecular weight composed mainly of **galactomannans**, (Gal/Man) **ratio** is **1:3** compared with others like Guar Gum which has a Gal/Man ratio of 1:2 and Carob or Locust Bean Gum which has a 1:4 ratio.

It is also identified as **Peruvian Tara Seed**.

**CAS Number** 39300-88-4 • **EINECS** 254-409-6 • **Chem/IUPAC** Caesalpinia Spinosa Gum

## Properties

### Natural Thickener

100% Plant Origin  
From Peru, Thickener  
& Stabilizer at Low  
Concentration

### Texturizing Agent

Non-Sticky, Non-Stringy, Smooth  
Feel, Improving & Smoothing the  
Cream Gels, Soft touch, silicone  
glide on the skin

### Skin-Conditioning

Special effects to maintain a  
moisturized skin, Improves  
softness and smoothens skin  
emulsions



## Social responsibility and biodiversity conservation

**Training** Peruvian tara has been used since the Incas dominated the territory known today as Peru. They used it as medicine for irritated skin, natural black ink for their clothes, tannin for leather and even as a money saver due to its diverse uses and non-perishable characteristics.

Today the Andean communities still use it the same way and collect as much as they can to sell it to large industrial companies, which means a very important economic income. We are very aware of its importance for them, so we help them with fair trade and some training to identify good quality Tara pods and cultivate them correctly so they can offer us the best raw material.

**Fair trade** Sustainable use of biological biodiversity.



**Sustainable**



**Fair Trade**



**Training**



100%

mechanical  
process



**molinos**  
asociados 



**Peru**

is one of the  
**most megadiverse**  
countries in the  
**entire**  
**world**

Production of Peruvian **Tara** derivatives for use in **cosmetics**,  
dietary **supplements**, natural **foods** and **pharmaceuticals**.

# applications

100% vegetable and organic texturizing agent alternative



face & body



sunblock



hair



make-up



hygiene



moisturizer

## Functionality in cosmetic applications

The product is classified as viscosity controlling skin conditioning film forming.

## BUT ALSO FUNCTIONS AS FOLLOWS

**Adhesive:** Bind opposite surfaces to each other.

**Film forming:** Produces, upon application, a continuous film on skin, hair or nails.

**Skin-conditioning:** To create special effects on skin to maintain the skin in good moisturized condition.

**Viscosity-controlling:** Increases or decreases the viscosity of cosmetics.

**Aqueous viscosity-increasing agent:** Used to thicken the aqueous portions of products. The ability to perform this function is related to water solubility and or hydrophilic nature.

# functionalities

100% vegetable and organic texturizing agent alternative



stabilizing  
& thickening



compatible  
with polymers



improves  
sensitivity



non - ionic &  
- thixotropic

pH

resistant to  
pH changes



clean of  
microbiology

**Peruvian Tara Seed Gum** is a natural ingredient (Hydrocolloid) obtained by a **100% mechanical** process with the **Tara seed endosperm**. The Tara tree grows in the **Peruvian Andes**.

It's a **Bionutrient** which improves skin conditions and **helps control moisture** levels. It consists of a diverse group of **polysaccharides** which are **isolated** from the Tara Seed **endosperm**. It's also known as a **galactomannan**, or **Peruvian carob**.

- Powerful and Versatile Polymer, thickener and stabilizer at low concentrations
- Texturizing Agent and Elegance Booster
- Non-Sticky / Stringy, smooth feel
- Improves and smoothens cream gels
- Wide range of PH resistant
- Resistant to Electrolytes
- Shear-thinning and non-thixotropic
- Synergetic combination with synthetic polymers
- Easy to use, immediate hydration
- Non-ionic, compatible with anionic and cationic ingredients. (Preservatives, surfactants, etc.)



## Business Opportunity

- Introduce world wide a natural functional ingredient for products formulated free of harsh chemicals Sulfates, Parabens, Petroleum, Dyes, Phthalates and other.
- Natural Cosmetics demand REAL natural hydrocolloids at competitive prices, Xanthan or Acrylics based (Carbopol/Carbomer) are not natural.
- Introduce at high initial distribution margins & Protect new opened market by the use of Trade Brands (Branding) from distributor company.
- Molinos Asociados, the only producer offering Cosmetic Grade Tara Gum, as our production technology allows us to obtain very low microbiology (Total Plate Count < 100 C.F.U./g) which compares favorably with our competitors in terms of cleanliness, stable viscosity over time, as well as homogeneous particle size (no lumps).
- PERU, only country with available raw material to produce Tara derivatives.
- Volumes of production are aligned with NICHE applications in Natural cosmetics.
- Supplier has integrated vertically with own Plantations and large production capacity to assure a stable supply.

## Certifications

The processing plant was designed according to the principles of **GMP** (Good Manufacturing Practices) to ensure the safety and quality of the product. It is a **100% mechanical process**, with no added solvents, as is the case with other gums.

The grinding technology provides a homogeneous and clean product. We have **Kosher, Halal, Organic USDA** and **European Union, Vegan** and certifications available upon request.

**FSSC 22000** implemented. **COSMOS ORGANIC** in certification process.





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