

Types of Gum Acacia (Gum Arabic)



GUM ACACIA SEYAL (Acacia seyal)	CHARACTERISTIC	GUM ACACIA SENEHAL (Acacia senegal)
Amber yellow pieces	APPEARANCE	Amber-coloured pieces
Typical	ODOUR	Typical
Water-soluble	SOLUBILITY	Water-soluble
Light amber to amber transparent solution	COLOUR OF SOLUTION	Light amber solution
Max. 15.0 %	LOSS ON DRYING	Max. 15.0 %
Max. 4.0 %	TOTAL ASH	Max. 4.0 %
Max. 0.5 %	ACID INSOLUBLE ASH	Max. 0.5 %
Max. 1.0 %	ACID INSOLUBLE MATTER	Max. 1.0 %
Max. 4.8	pH VALUE	Max. 4.8
Not traceable	STARCH OR DEXTRIN	Not traceable
Not traceable	TANNIN	Not traceable
35 – 200 cps	VISCOSITY* <small>* 20 % solution, Brookfield LVF, Spindle no.1 – 4, 6 – 60 rot. / min</small>	35 – 200 cps





GUM ACACIA

SEYAL VS SENEHAL



Two natural, plant-based gums from the Acacia tree with unique properties for a wide range of applications.

APPLICATION AREAS



FOOD & BEVERAGES

Emulsifier, stabilizer, thickener, encapsulating agent, texturizer.



PHARMACEUTICALS

Binder, disintegrant, suspending agent, coating agent.



COSMETICS & PERSONAL CARE

Stabilizer, film former, thickener, emulsifier.



INDUSTRIAL

Adhesives, sizing agent in paper, textile printing, drilling fluids.



ANIMAL NUTRITION

Binder, stabilizer, improves pellet quality.



OTHERS

Incense, confectionery, explosives, microbiology culture media.

ORIGINS

GUM ACACIA SEYAL



- Exudate of *Acacia seyal* tree.
- Native to the Sahel region of Africa.
- Found in countries such as Chad, Sudan, Nigeria, Mali.



GUM ACACIA SENEHAL



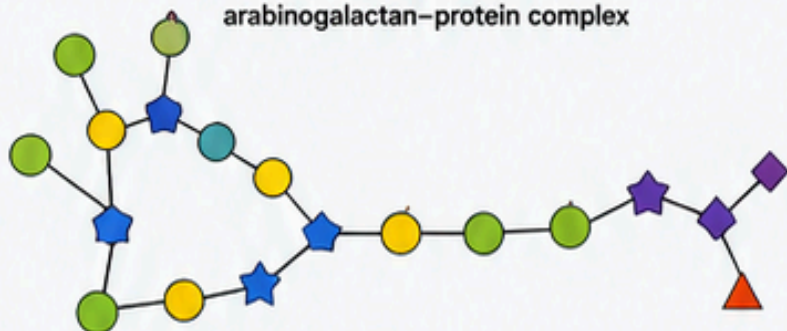
- Exudate of *Acacia senegal* tree.
- Native to the arid regions of Africa.
- Found in countries such as Sudan, Senegal, Mali, Nigeria, India (introduced).



MOLECULAR STRUCTURE

GUM ACACIA SEYAL

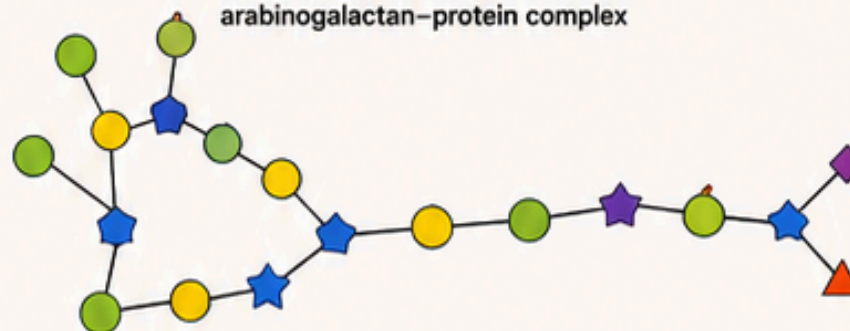
Highly branched arabinogalactan-protein complex



- D-Galactose
- L-Arabinose
- ★ L-Rhamnose
- ◆ D-Glucuronic acid
- ▲ Protein

GUM ACACIA SENEHAL

Highly branched arabinogalactan-protein complex



- D-Galactose
- L-Arabinose
- ★ L-Rhamnose
- ◆ D-Glucuronic acid
- ▲ Protein



100% Natural Plant-Based



Clean Label Friendly



Sustainable & Renewable

