

PLANTCOL

CHEMICAL DENOMINATION

Complex derived from the gum produced by *Acacia Senegal*

INCI NAME

Acacia Senegal Gum Extract [EU]⁽¹⁾
Acacia Senegal Gum Extract [US]⁽²⁾

CAS NUMBER

90387-99-8 [EU]⁽¹⁾
International Cosmetic Ingredient Dictionary and Handbook, 15th Edition, page 8 [US]⁽²⁾

EINECS NUMBER

90387-99-8 [EU]⁽¹⁾
--[US]⁽²⁾

DEFINITION

Plantcol is a complex derived from the gum produced by *Acacia Senegal*, plant rich in oligosaccharides, arabinogalactan, proteins and glycoproteins.

The polysaccharides and amino acids derived from *Acacia* presents a structure with high molecular weight, and similar to animal derivative.

Plantcol provides biological precursors that have affinity with skin and hair. It forms a film with moisturizing and tensile properties.

SPECIFICATION

Aspect (25°C)	: Colloidal solution limpid to opalescent
Color	: Yellow to amber
Odor	: Characteristic
pH 100 % (25°C)	: 3.0 – 5.0
Density (25°C)	: 1.110 – 1.170 g/ml
Refractive index (25°C)	: 1.370 – 1.410
Dry residue (105°C, 4h)	: 25.0 – 50.0%
Moulds	: Max. 100col/g
Bacteria	: Max. 100col/g

OTHER AVAILABLE DATA

Solubility	: Soluble in glycerin. Soluble in water with opalescence.
Preservation	: Sodium benzoate (0.1%) and potassium sorbate (0.2%).
Identification	: Spectroscopy UV – according to standard

PROPERTIES AND APPLICATION

Moisturizing, smoothing, nourishing, film former. Imparts shine and conditions the hair.

Indicated in shampoos, conditioners, leave-in creams, and post straightening formulations. Also recommended in face creams and lotions.

SUGGESTED DOSAGE

Shampoos, conditioners and hair creams: from 1 to 5%.

Face and body creams and lotions: from 1 to 5%.

STORAGE

Store dry and tightly closed. Protect from light.

SHELF LIFE

Twenty four (24) months from manufacturing date.

NOTE: PRODUCT FOR TOPICAL COSMETIC FORMULATIONS. DURING STORAGE IT MAY GET TURBID OR PRECIPITATION MAY OCCUR, BUT THIS WILL NOT INVALIDATE THE PRODUCT.

REFERENCES

1. *CosIng*, Europe (<http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple>)
2. *International Cosmetic Ingredient Dictionary and Handbook*, 15th edition, 2014, USA.