

SPECIFICATIONS

Demecare® Acacia senegal I

DESCRIPTION

Product	Demecare® Acacia senegal I
Description	The gum acacia is the dried gummy exudation of high molecular polysaccharides obtained from the stems and branches of Acacia senegal or closely related species of Acacia (fam. Leguminosae).
INCI name	ACACIA SENEGAL GUM
CAS number	9000-01-5
EINECS number	232-519-5
EC number	E414



COMPOSITION

- **Ingredient** : Acacia senegal gum.
- **Other information**: Gum acacia (arabic) consists mainly of high molecular weight polysaccharides and their calcium, magnesium and potassium salts, which on hydrolysis yield arabinose, rhamnose, galactose and glucuronic acid.

LEGAL REQUIREMENTS

- The product complies with annexes II and III of regulation (EC) n°1223/2009 on cosmetic products.
- Commission Regulation (EU) No 231/2012 laying down specifications for food additives [E414], as amended.
- Current issues of French, British, Japanese Pharmacopoeias, USP-NF and Food Chemicals Codex (other on request).

ANALYTICAL REQUIREMENTS AND CHARACTERISTICS

1 Organoleptic data

- White or yellow-white powder, odourless and tasteless.
- Alveolar structured spray dried powder insuring an easy flow, a good dispersibility and a quick dissolving at room temperature.
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2 Physical & Chemical

	Specifications
Loss on drying	≤ 10.0 %
Total ash	≤ 4.0 %
pH (25% w/w solution, 20°C)	4.0 - 5.0
Viscosity (25% w/w solution, 24h, 20°C, Brookfield)	≥ 60 cps
Colour (25% w/w solution, Lovibond tintometer 25mm optical cell)	≤ 6° Lov
Granulometry	max 15% < 75 µm
Arsenic	≤ 3.0 mg/kg
Lead	≤ 2.0 mg/kg
Mercury	≤ 1.0 mg/kg
Cadmium	≤ 1.0 mg/kg

3 Microbiological

	Specifications
Total aerobic microbial count	< 500 ufc/g
Total yeasts and mould count	< 100 ufc/g
Escherichia coli	Neg. / 10g
Salmonella	Neg. / 25g

MAIN USES

This product can be used as:

- Stabilizing and emulsifying agent
- Thickening agent
- Film-forming agent

In Cosmetics, the product is not listed in annexes II and III of regulation (EC) n°1223/2009.

OTHER DATA

GMO	This product is non-GMO according to regulations (EC) n° 1829/2003 and (EC) n°1830/2003 and their amendments.
ALLERGENS	This product does not contain allergens according to regulation (UE) n°1169/2011 and the United States Code 21 USC 321.201 Chapter II
NANOPARTICLES	Acacia gum does not contain insoluble nanoparticles (<100 nm), according to our best knowledge. We do not use nanotechnology during the manufacturing process of the above-mentioned product. The Scanning Electron Microscopy observations did not reveal the presence of nanoparticles in the Gum Acacia * <i>* Risk studied according to BET specific surface area measurements, pycnometry and SEM observations made according to the decision tree of the 2011 EC recommendation (696 / EU / 2011).</i>
IONIZATION	This product has not been treated with ionizing radiation.
REACH	This product is not subject to any of classification criteria of article 31 of regulation (EC) n°1907/2006 (REACH) and its amendments.
PESTICIDES	This product complies with current EC and EP regulations.

PACKING

25 kg paper bags (with polyethylene bag inside); other packing available on request.

STORAGE AND SHELF LIFE

Keep dry at room temperature. Stable for 3 years.

CUSTOMS TARIFF

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