

H & A Health Products Inc.

3-180 Brodie Drive, Richmond Hill, Ontario, Canada L4B 3K8
Tel: (416) 412-9518 Fax: (905) 770-8889
sales@hacanada.com



Product Data Acacia Gum (Gum Arabic)

Description: Gum Arabic, also known as Gum Acacia, is a natural gum harvested from the exterior of Acacia trees in the form of dry, hard, nodules. Its unique properties endow it with a wide range of applications in many industries.

Flavour and Beverage

Gum Acacia is used extensively in the flavour and beverage industry, where its natural properties are fully utilised. The major property utilised is the natural ability of Gum Acacia to produce and stabilise emulsions. This functionality arises from the high molecular weight Arabinogalactan-Protein complex (AGP) which is an inherent part of the selected Acacia. Our research enables us to identify the best Acacia for this function.

Gum Acacia, arising from its compact structure, is also excellent for encapsulation of flavours as it emulsifies, has low viscosity, bland flavour and protects against flavour oxidation.

The excellent solubility in aqueous solution, low viscosity, bland taste, neutral odour, fibre source and low calorie of Gum Acacia has lent itself to many nutritional application.

Our designed fibre source product Agri-Spray Acacia Fibre affords all the benefits associated with soluble fibre without adverse effects to the textural properties of food products and beverages.

Application	Product	Function	Benefit
Essential Oil Emulsions Carbonated and Non-Carbonated Soft Drinks	Agri-Spray Acacia RE Agri-Rapid Acacia RE Agri-Spray Acacia R Agri-Rapid Acacia R	Preparation and stabilisation of oil-in-water emulsions	Improved emulsion
Encapsulation Flavours in powder and liquid form	Agri-Spray Acacia RE Agri-Rapid Acacia RE Agri-Spray Acacia R Agri-Rapid Acacia R Agri-Spray Acacia MGH Agri-Rapid Acacia MGH Agri-Spray Acacia Fibre	Encapsulation of essential oils	Increased stability of the flavour
Instant Beverages Powder form	Agri-Spray Acacia R Agri-Rapid Acacia R Agri-Spray Acacia MGH Agri-Rapid Acacia MGH Agri-Spray Acacia Fibre	Encapsulation of flavours and juices	Good stability
Flavoured Beverage with added pulp	Agri-Spray Acacia RE Agri-Rapid Acacia RE Agri-Spray Acacia R Agri-Rapid Acacia R Agri-Spray Acacia MGH Agri-Rapid Acacia MGH Agri-Spray Acacia Fibre	Suspension of pulp Provides fibre	Good long term stability
Wine Fining and Stabilisation (Oenology)	Agri-Spray Acacia R Agri-Rapid Acacia R Agri-Spray Acacia MGH Agri-Rapid Acacia MGH Agri-Spray Acacia Fibre Agri-Kibbled Agri-Lump Acacia Agri-Talha	Clarification Tannin fixation	Improved clarity and improved colour
Beer	Agri-Spray Acacia R Agri-Rapid Acacia R Agri-Spray Acacia MGH Agri-Rapid Acacia MGH Agri-Spray Acacia Fibre	Clarification Foam stabilisation	Improved clarity Improved foam stability

H & A Health Products Inc.

3-180 Brodie Drive, Richmond Hill, Ontario, Canada L4B 3K8
Tel: (416) 412-9518 Fax: (905) 770-8889
sales@hacanada.com



Acacia Gum (Gum Arabic)

Packaging/Storage & Shelf Life:

Packed in 25 kg bags. Stored in dry ambient conditions ensuring any partially opened packages are securely resealed to prevent moisture absorption from air. Shelf life is 3 years from manufacturing date.

Origin:

Chad, Africa.

Remarks:

Specifications on various products/applications are available upon request.

Notes:

Agri-Spray/Agri-Rapid Acacia conforms to the requirements of the NF/FCC monograph for Acacia, the British & European Pharmacopoeia monographs for Acacia & Spray-Dried Acacia, and the JECFA specification for Gum Arabic.



Glossary of Gums

Agri-Spray Acacia RE	Produced from cleaned <i>Acacia senegal</i> gum after further cleaning and grading. Processed by water dissolution followed by ultra-cleaning and spray drying. Used for high quality emulsion preparation.
Agri-Rapid Acacia RE	Produced from cleaned <i>Acacia senegal</i> gum after further cleaning and grading. Processed by water dissolution followed by ultra-cleaning, spray drying and agglomeration. Agri-Rapid Acacia RE (Emulsifier) is a dust-free powder that hydrates rapidly without lumping. Used for high quality emulsion preparation.
Agri-Spray Acacia R	Produced from cleaned <i>Acacia senegal</i> gum. Processed by water dissolution followed by ultra-cleaning and spray drying. All purpose material for all applications especially for the pharmaceutical and nutraceutical industries.
Agri-Rapid Acacia R	Produced from cleaned <i>Acacia senegal</i> gum. Processed by water dissolution followed by ultra-cleaning, spray drying and agglomeration. Agri-Rapid Acacia R is a dust -free powder that hydrates rapidly without lumping. All purpose material for all applications especially for the pharmaceutical and nutraceutical industries.
Agri-Spray Acacia MGH	Produced from sourced Acacias. Processed by water dissolution followed by ultra-cleaning and spray drying. Used for pharmaceutical, coating and glazing applications.
Agri-Rapid Acacia MGH	Produced from sourced Acacias. Processed by water dissolution followed by ultra-cleaning, spray drying and agglomeration. Agri-Rapid Acacia MGH is a dust-free powder that hydrates rapidly without lumping. Used for pharmaceutical, coating and glazing applications.
Agri-Spray Acacia G	Produced from Acacia gum dust. Processed by water dissolution followed by ultra-cleaning and spray drying. Used in liquorice confectionery.
Agri-Spray Acacia GMH	Produced from Acacia gum. Processed by water dissolution followed by ultra-cleaning and spray drying. Widely used in industrial/non-food applications.
Agri-Spray Acacia Fibre	Produced from Acacia gum. Processed by water dissolution followed by ultra-cleaning and spray drying. Agri-Spray Acacia Fibre is designed as a convenient means of adding soluble fibre to beverages and food products.
Agri-Lump Acacia	The all-purpose <i>Acacia senegal</i> . Can be used wherever Gum Acacia is required.
Agri-Talha	<i>Acacia seyal</i> gum. Mainly used in wine fining and lithography.
Agri-Kibbled	Pre-cleaned <i>Acacia senegal</i> gum followed by hammering and screening. Can be produced to a particular size requirement. Improves dissolving times compared to lump.
Agri-Powder Acacia 1AS	Mechanical powder produced from cleaned <i>Acacia senegal</i> gum. High quality powder meeting all pharmaceutical requirements. All purpose material.

The information above is extracted from the manufacturer's technical information and believed to be accurate and reliable. But no warranty or representation of any kind is made by us for its use. This information does not imply a recommendation to use in whatever way that may damage any products or infringe any existing patents or proprietary rights. In no way is our company liable or accountable for any claims or losses of any client or third party as a direct or indirect result of the use of this information.