

AGRI-SPRAY ACACIA® RE	
TECHNICAL DATA SHEET	
<b>PRODUCT CODE</b>	<b>C110</b>
<b>Description</b>	Gum arabic 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).
<b>Process</b>	Water dissolution followed by ultra-cleaning and spray drying.
<b>Composition</b>	Gum 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.
<b>Legal Requirements</b>	Complying with Commission Regulation (EU) No 231/2012 specifications for food additives [E414] and current issues of EP, DAB, BP, USP/NF and FCC.
ANALYTICAL REQUIREMENTS AND CHARACTERISTICS	
ORGANOLEPTIC DATA	
White or yellow-white powder, odourless and tasteless.	
CHEMICAL	
	<b>Specification</b>
<b>Purity</b>	≥99.9 %
<b>Loss on drying</b>	≤10.0 %
<b>Total Ash</b>	≤4.0 %
<b>Acid insoluble matter</b>	≤0.1 %
<b>Acid insoluble ash</b>	≤0.5 %
<b>pH (25% w/w solution, 20°C)</b>	4 – 5
<b>Starch or Dextrin</b>	Absent
<b>Tannin-bearing gums</b>	Absent
<b>Arsenic</b>	<3 mg/kg
<b>Lead</b>	<2 mg/kg
<b>Mercury</b>	<1 mg/kg
<b>Cadmium</b>	<1 mg/kg

<b>AGRI-SPRAY ACACIA® RE</b>	
<b>PHYSICAL</b>	
	<b>Specification</b>
<b>Specific optical rotation (10% w/w solution, 20°C)</b>	-20° to -35°
<b>Viscosity (25% w/w solution, 24h, 20°C, Brookfield Viscometer)</b>	≥60 cps
<b>Colour (25% w/w solu. Lovibond Tintometer 25mm optical cell)</b>	≤6.0 °Lov
<b>Granulometry</b>	min 90% <200µm
<b>MICROBIOLOGICAL</b>	
	<b>Specification</b>
<b>Total Viable Count</b>	<2,000 cfu/g
<b>Yeasts &amp; Moulds</b>	<100 cfu/g
<b>Salmonella</b>	Neg./25g
<b>E. Coli</b>	Neg./10g
<b>MAIN APPLICATIONS</b>	
<p>High quality emulsifying and stabilizing agent for beverages, pharmaceuticals, cosmetics and flavours. Thickening agent for confectionery, pharmaceuticals and beverages. Film-forming agent - encapsulation of oil soluble flavours, food colours and vitamins. Protective agent for colloidal solutions and oenology. Gum Acacia is a Prebiotic, soluble, dietary fibre beneficial to gut health and is suitable for Diabetic diets and a source of ketogenic SCFAs.</p>	
<b>DECLARATION</b>	
<b>Food Allergens</b>	<p>Agri-Spray Acacia® RE does not contain any allergenic substances, as defined in:</p> <ul style="list-style-type: none"> <li>• European Directive 1169/2011</li> <li>• United States Code 21 USC 321. 201 Chapter II (Federal FOOD, DRUG and Cosmetic Act, Definitions)</li> </ul> <p>Agri-Spray Acacia® RE is a Gluten-Free product. To the best of our knowledge, there is no risk of cross contamination with other allergenic substances.</p>
<b>Suitability of product composition for specific diets</b>	Gum Acacia is suitable for Diabetic, Vegetarian and Vegan diets and is Halal and Kosher certified.
<b>GMO</b>	Agri-Spray Acacia® RE does not contain and does not come from genetically modified organisms, as defined in EU regulations N° 1829/2003 and N°1830/2003 on labelling and traceability of GMO's (genetically modified organisms) and products/ingredients derived thereof.
<b>BSE/TSE</b>	Agri-Spray Acacia® RE is derived from 100% plant origin and is free from any component of animal origin. As such it is free from materials associated with Transmissible Spongiform Encephalopathies (TSE) and Bovine Spongiform Encephalopathies (BSE).

<b>AGRI-SPRAY ACACIA® RE</b>		
<b>Pesticide Residues</b>	Agri-Spray Acacia® RE does not contain any Organochlorine or Organophosphorus Pesticide residues or agri-chemicals.	
<b>Organic Compounds</b>	Agri-Spray Acacia® RE is free from Benzopirene, Dioxin, Polychlorinated Biphenyl products, Phthalates or Phthalate esters.	
<b>Solvent Residues</b>	Agri-Spray Acacia® RE is free from all organic and inorganic solvents (except water)	
<b>Mycotoxins</b>	Agri-Spray Acacia® RE is free from Aflatoxin and Mycotoxins	
<b>GRAS</b>	Agri-Spray Acacia® RE is a GRAS (Generally Recognised as Safe) food ingredient.	
<b>Melamine</b>	The manufacturing of Agri-Spray Acacia® RE does not involve any melamine. It complies with regulations 1881/2006 and 594/2012.	
<b>Radiation</b>	Agri-Spray Acacia® RE is not treated with ionizing radiation.	
<b>OTHER DATA</b>		
<b>Packing</b>	25 kg paper bags (with polyethylene bag inside); other packing available on request.	
<b>Storage &amp; Shelf Life</b>	Keep dry at room temperature. Stable for 3 years.	
<b>Customs Tariff</b>	1301.20.00.0.00.1.P	
<b>NUTRITIONAL DATA</b>		
<b>LABELLING</b>	Gum Acacia or Gum Arabic (E414)	
<b>Nutrition Data (typical)</b>	Protein	2%
	Fat	0%
	Trans Fatty Acids	0%
	Sugars	0%
	Polyols	0%
	Starches	0%
	Complex Carbohydrate	90%
	Dietary Fibre	90%
	Ash	≤4.0%
	Moisture	≤10.0%
	Energy Value	<836 KJ/100g (<200 Kcal/100g)
	Potassium	0.5%
	Calcium	1%
Magnesium	0.02% to 0.2%	
Sodium	0.02%	