

## TECHNICAL DATA SHEET

## Gum Acacia Senegal - Spray-dried Gum Arabic

<b>Content</b>	Acacia gum purified and instantised
<b>Legal position</b>	E414, Regulations 231/2012/EC and 1333/2008/EC, Eur Ph., USP/NF, FCC
<b>Maximum storage</b>	3 years.
<b>Standard packaging</b>	Net 25 kg multilayer paper bag with inner polyethylene liner
<b>Storage conditions</b>	Keep closed in cool and dry place in original intact packaging.

### MATERIAL CHARACTERISTICS

#### Physical and chemical data

Analysis	Methods	Specifications
pH of 25% solution	Eur.Ph	4.1 to 4.8
Color of 25% solution	Lovibond	≤ 7
Viscosity of 25% solution (mPa.s)	Brookfield LVF 60 rpm	60 to 130 mPa.s
Optical rotation	589 nm at 1%	LAEVOROTATORY
Moisture (5H-105°C) (%)	USP 921 Method III	≤ 10%
Acid insoluble matters (%)	Eur.Ph	≤ 0.1%
Total ashes (%)	Eur.Ph	≤ 4.0%
Acid insoluble ashes (%)	USP 561	≤ 0.5%
Turbidity 5% (NTU)		≤ 120 NTU
Emulsion test	Internal	Pass test
Mesh size through 63 µm (%)	Vibro sieving	≤ 15%
Solubility and reaction*	Eur.Ph	Passes test
Glucose and fructose*	Eur.Ph	Passes test
Starch, dextrin and agar*	Eur.Ph	Passes test
Sterculia gum*	Eur.Ph	Passes test
Tragacantha*	Eur.Ph	Passes test
Tannins*	Eur.Ph	Passes test
Identification*	Eur.Ph	Passes test

#### Heavy metals

Analysis	Methods	Specifications
Lead* (ppm)	ICP-OES/ICP-MS	≤ 0.1 ppm
Arsenic* (ppm)	ICP-OES/ICP-MS	≤ 0.5 ppm
Mercury* (ppm)	SAA	≤ 0.1 ppm
Cadmium* (ppm)	ICP-OES/ICP-MS	≤ 0.1 ppm
Total heavy metal* (ppm)	FCC Method II	≤ 5 ppm

#### Microbiological

Analysis	Methods	Specifications
Total plate count (CFU per g)	ISO 4833-1	≤2000/g
Yeast and molds (CFU per g)	ISO 6611	≤100/g
E.coli	NF ISO 7251	ABS/5g
Salmonella	NF EN ISO 6579-1	ABS/25g

\* tested 1/year (product of the same grade)

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