

## SPECIFICATIONS

|                     |  |
|---------------------|--|
| <b>PRODUCT:</b>     | GUM ARABIC LUMPS.  |
| <b>EINECS:</b>      | 232-519-5  |
| <b>CAS:</b>         | 9000-01-5  |
| <b>DESCRIPTION:</b> | Acacia gum is a dried exudation obtained from the stems and branches of natural strains of <i>Acacia senegal</i> (L) Willdenow or closely related species of Acacia (family <i>Leguminosae</i> ). It consists mainly of high molecular weight polysaccharides and their calcium, magnesium and potassium salts, which on hydrolysis yield arabinose, galactose, rhamnose and glucuronic acid. Natural, untreated gum arabic. <b>Microbiological limits are not guaranteed.</b> |

### PHYSICAL AND CHEMICAL ANALYSIS:

| PARAMETER                | TARGET VALUE   |         | METHOD   |
|--------------------------|--|---------|----------|
|                          | Minimum  | Maximum |          |
| Appearance               | Yellowish-white to reddish brown big lumps           |         | Ph. Eur. |
| Solubility               | dispersible in cold water forming colloidal solution |         | Ph. Eur  |
| Identification           | passes tests.  |         | Ph. Eur  |
| Sterculia gum            | corresponding to the requirement                     |         | Ph. Eur  |
| Tragacanth               | corresponding to the requirements                    |         | Ph. Eur  |
| Starch, dextrin and agar | corresponding to the requirement                     |         | Ph. Eur  |
| Glucose and fructose     | corresponding to the requirement                     |         | Ph. Eur  |
| Tannins                  | corresponding to the requirement                     |         | Ph. Eur  |
| Total ash [%]            |  | 4       | Ph. Eur  |
| Acid-insoluble ash [%]   |  | 0.5     | FCC      |
| Insoluble matter [%]     |  | 1       | Ph. Eur  |
| Loss on drying [%]       |  | 17      | Ph. Eur  |

|                               |                                  |     |                 |
|-------------------------------|----------------------------------|-----|-----------------|
| Specific optical rotation [°] | -25                              | -35 | PM GA 03        |
| Hydrolysis products           | corresponding to the requirement |     | 231/2012/<br>EU |
| Heavy metals (as Pb) [ppm] 20 |                                  | 20  | Ph. Eur         |
| Arsenic [ppm] 3               |                                  | 3   | AAS             |
| Lead [ppm] 5                  |                                  | 2   | FCC             |
| Mercury [ppm] 1               |                                  | 1   | AAS             |
| Cadmium [ppm] 1               |                                  | 1   | AAS             |

According to listed parameters the product fulfills the requirements of E 414.

**Packaging:** Polybags or Big Bags

**Statements:** Product fulfills the following requirements (available on request):  
 EU regulations for food additives  
 EU regulations for pesticides  
 EU regulations for the exclusion of allergens  
 EU regulations for the exclusion of GMO  
 EU regulations for the exclusion of solvent residues  
 EU regulations for the exclusion of ionizing radiations  
 EU regulations for the exclusion of BSE/TSE  
 Kosher – parve  
 Halal

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