

Technical Data Sheet

Version: 03

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Morouj Spray Gum Acacia MM Product Code: CMSDoo2

Description: Gum Acacia (Gum Arabic) is dried gummy exudation of high molecular weight polysaccharides obtained from the stems and branches of *Acacia seyal* (fam. Leguminosae). Purified and spray dried

Application: Coating, Binding, Glazing, Gummy, Encapsulation (of Flavours, Colours, Vitamins), Soluble Fibre and Bakery

Appearance: Off white – Cream powder

Legal position: Complies with EC, BP, DAB, USP/NF, FCC and European Pharmacopoeias

Standard packaging: 25kg multilayer paper bag with polyethylene liner

Maximum storage: 3 years

Storage condition: Keep closed in cool dry place

Chemical Analysis

Loss on drying	≤ 10%
Total ash	≤ 4%
Insoluble matter	≤ 0.5%
Acid insoluble ash	≤ 0.5%
pH	4 – 5
Soluble dietary fibre	≥ 90%
Glucose & Fructose	Absent
Starch, Dextrin and Agar	Absent
Sterculia Gum	Absent
Tannins	Absent
Tragacanth	Absent
Lead	< 2 mg/kg
Arsenic	< 3 mg/kg
Mercury	< 1 mg/kg
Cadmium	< 1 mg/kg

Physical Analysis

Viscosity (25% w/w solution) (Brookfield LVT-Sp1-30RPM-20°C)	≥60 cps
Specific optical rotation (10% w/w aqueous solution)	+40° to +65°
Colour 25% w/w aqueous solution (Lovibond)	≤ 10
Particle size passing 250 micron (60 mesh)	95% min

Microbiological Analysis

Salmonella	Absence /25g
Escherichia coli	Absence /10g
Total Aerobic Microbial Count	500 cfu/g max.
Total Yeast & Mould Count	100 cfu/g max.

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