

Certificate of Analysis

Name: Gum Arabic / Gum acacia

INCI: Gum acacia

Cas No. 9000-01-5

Origin: Germany

Lot No: BPCGAP62025

Expiry: June 2028

Parameter	Target value		Result	Method
	Minimum	Maximum		
Appearance	coarse grained, fast soluble spray-dried powder		conforms	
Solubility	dispersible in cold water forming a colloidal solution		conforms	
Identification	passes tests		conforms	Ph. Eur. / BP
Tragacanth	corresponding to the requirements		conforms	Ph. Eur. / BP
Sterculia gum	corresponding to the requirements		conforms	Ph. Eur. / BP
Starch, dextrin and agar	corresponding to the requirements		conforms	Ph. Eur. / BP
Glucose and fructose	corresponding to the requirements		conforms	Ph. Eur. / BP
Tannins	corresponding to the requirements		conforms	Ph. Eur. / BP
pH-value (25 % in H ₂ O w/w)	4	5	4,7	PM GA 08
Total ash [%]		4,0	conforms	USP
Insoluble matter [%]		0,1	< 0,1	Ph. Eur.
Loss on drying [%]		10	7,9	Ph. Eur.
Colour (25 % in H ₂ O w/w, Lovibond Tintometer, 1 inch optical cell)	4	10	6,2	PM GA 05
Viscosity after 24 h (25 % in H ₂ O w/w) [mPa s] ¹⁾	60	100	68	PM GA 02
Specific optical rotation [°]	dextrorotatory		conforms	FCC
Heavy metals (as Pb) [ppm]		20	conforms	AAS
Total plate count [cfu / g]		3000	< 1000	ISO 4833
Yeast [cfu / g]		100	< 10	ISO 6611
Mould [cfu / g]		100	< 10	ISO 6611
E. coli [in 5 g]		absent	absent	ISO 16649-3 mod.
Salmonella spp. [in 25 g]		absent	absent	ISO 6579 mod.

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