

GUM ARABIC (ARAP ZAMKI)

ANALİZ SERTİFİKASI

Product Name : Gum Arabic (Arap Zamkı) E414

Cas Number : 9000-01-5

Molecular Formula : $(C_5H_8O_4)_n(C_{14}H_{23}O_{10})_m$

	A&R SPECIFICATIONS	SPECIFICATIONS	RESULTS
Taste, odor	tasteless, odorless	-	Complies
Appearance	white or yellowish-white free flowing powder	-	Complies
Chemical analysis			
Loss on drying	≤ 10.0 %	≤ 10.0 %	5.3 %
Total ash	≤ 4.0 %	≤ 4.0 %	3.25 %
Acid insoluble matter	≤ 0.1 %	≤ 0.1 %	< 0.01 %
Acid insoluble ash	≤ 0.5 %	-	< 0.10 %
pH (25% w/w solution, 20°C)	4 – 5	≤ 4.8	4.65
Starch or dextrin	absence	-	Complies
Tannin-bearing gums	absence	-	Complies
Arsenic	< 3 mg/kg	≤ 3 ppm	< 3 mg/kg
Lead	< 2 mg/kg	≤ 5 ppm	< 2 mg/kg
Mercury	< 1 mg/kg	≤ 1 ppm	< 1 mg/kg
Cadmium	< 1 mg/kg	≤ 1 ppm	< 1 mg/kg
Heavy metals	-	< 20 mg/kg	< 20 mg/kg
Physical analysis			
Specific optical rotation (10% w/w solution, 20°C)	+35° to +60°	-	+48.2°
Viscosity (25% w/w solution, 24h, 20°C, Brookfield LV DV2T, Spindle 1, 30 RPM)	≥ 60 cps	-	98.20 cps
Colour (25% w/w solution, Lovibond tintometer 25mm optical cell)	4 to 10° Lovibond	-	7° Lovibond
Granulometry standard	Max 15% < 75 µm	-	Complies
Microbiological analysis			
Total viable count	< 1 000 cfu/g	≤ 10 000 cfu/g	10 cfu/g
Yeasts and mould	< 100 cfu/g	-	< 5 cfu/g
<i>Escherichia coli</i>	Neg./10g	Neg./5g	Complies
<i>Salmonella</i>	Neg./25g	Neg./10g	Complies
Coliforms	-	Neg./g	Complies

Not: Bu belge üzerindeki spesifikasyonlar, üretici tarafından yapılan analiz sonuçlarındaki değerlerle bire bir aynıdır.