



Certificate of Analysis

Product Name	Gum Acacia
C.A.S. No.	9000-01-5
Molecular Formula	$C_{16}H_{26}O_3$
Molecular Weight	250.00 g/mol

No.	TESTS	RESULTS	SPECIFICATIONS
1	Description	A white powder	A white or yellowish white powder odourless
2	Solubility	Complies	Acacia -Almost entirely soluble in twice its weight of water yielding a very viscous, slightly acidic solution which is slightly glairy and, when diluted with more water & allowed to stand, yields a very small amount of gummy deposit, practically insoluble in ethanol (195%) & in ether.
3	Identification	Complies with tests A, B & C	A. Aq. Solutions gelatinized on addition of lead subacetate solution B. White precipitate with ethanol and acetic acid; after filtration, filtrate becomes cloudy on addition of ammonium oxalate solution C. Dextro-rotatory or Levo-rotatory 10% w/v solution.
4	Agar and tragacanth	Complies	Does not produce precipitate with lead acetate solution.
5	Starch & Dextrin	Complies	Does not produce blue or brown colour with Iodine
6	Tannin	Complies	Gives Gelatinous precipitate with ferric chloride solution.
7	Sucrose and fructose	Complies	Does not produce pink or yellow colour with resorcinol and HCl.
8	Water- insoluble matter (mg)	Below 50.0	Maximum 50.0
9	Microbial contamination	Absent	1.0 g is free from Escherichia coli.
10	Sulphated ash (%) (on dried basis)	4.0	Maximum 5.0
11	Acid insoluble ash (%)	0.5	Maximum 1.0
12	Loss on drying (%)	6.9	Maximum 15.0