

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product Gum Accacia Powder (E414)
2. CAS Number 9000-01-5
3. Batch No & Mfg. Date As mentioned on Label
4. Date Of Exp 3 Years from MFD
5. Date of Analysis Oct 2024

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 (95%) & in ether.
3	Identification	Complies with tests A, B and C.	A. Aq. Solution is gelatinized on addition of lead sub acetate solution B. White precipitate with ethanol and acetic acid; after filtration, filtrate becomes cloudy on addition of ammonium oxalate solution C. Dextrorotatory or Laevorotatory 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)	4.2	Maximum 5.0
11	Loss on drying (%)	6.5	Maximum 15.0