



DRUGS AND CHEMICALS LIMITED

CERTIFICATE OF ANALYSIS

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THE DRUGS & COSMETICS ACT 1940 AND RULES THEREUNDER CERTIFICATE OF ANALYSIS
APPROVED TESTING LABORATORY BY FDCA-GANDHINAGAR

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QUALITY ASSURANCE DEPARTMENT

Material Name: Dried Aluminum Hydroxide Gel USP					Page 1 of 1
Batch No.	ALH/26/0124			Qty. Sampled	100 gm
Batch Qty.	2000 kg	Mfg. Date	March-2026	Exp. Date	February-2031
Released date	02/04/2026				

Reference: USP-2024 + In-house			CAS No.	21645-51-2
Mol. Formula $Al(OH)_3$			Mol. Weight	78.00 gm/mol
Sr. #	Test	Result	Specification	
1	Description*	Pass	White, Odorless, Tasteless, Amorphous Powder.	
2	Solubility	Pass	Soluble in Dilute Mineral Acids and in Solutions of Fixed Alkali Hydroxides; Insoluble in Water and in Alcohol.	
3	Identification	Pass	(A) By Infrared Spectrophotometer (B) It gives reaction of Aluminium	
4	Acid neutralizing capacity	29.96 mEq	Not less than 25 mEq per gm	
5	pH (1 in 25) *	8.62	Not more than 10	
6	Chloride	Complies	Not more than 0.85 %	
7	Sulfate	Complies	Not more than 0.6 %	
8	Arsenic	Complies	Not more than 8 ppm	
9	Assay*	82.85 %	Not less than 76.5 % of $Al(OH)_3$	

Additional Test :

10	Total Aerobic Microbial Count	Complies	NMT 1000 cfu/gm (As per BP-2013)
11	Total Yeast & Mold Count	Complies	NMT 100 cfu/gm (As per BP-2013)
12	Bacteria Gram Negative	Pass	Negative (As per BP-2013)
13	E. coli	Pass	Negative (As per USP-32)
14	Total Aerobic Microbial Count	Complies	100 cfu/ml (As per USP-32)
15	Bulk Density (Tapped)	0.4166 gm/ml	Between 0.3 to 0.6 gm/ml
16	Average Particle Size D(0.9)	33.054 μm	Between 30.0 μm to 52.0 μm

* Re-testing parameter.

OPINION: The above sample **Complies** / **Does not comply** to the prescribed standard of quality in respect of the above tests as per USP + In-house specification.

Remarks: Heavy Grade

Protocol No. #	Page #	Test performed (Sr. #)	Analyzed by	Date
N. A.	1	1 to 9 & 15		27/03/2026
N. A.	1	10 to 14		01/04/2026
N. A.	1	16		02/04/2026

Attachment:

Checked by:

Date:

02/04/2026

OK, Free Sample

JRI

Approved by:

Date:

02/04/2026