



## LABPRO CHEM

"Essential Laboratory Chemicals For Scientific Research and Experimentation, Ensuring Accuracy And Precision In Every Process."

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### CERTIFICATE OF ANALYSIS

**Product Name:** ALUMINIUM SILICATE (Powder) (Hydrate)

**Catalogue No.:** LA0218

**CAS No.:** 12141-46-7

**Batch No.:** 476GD

**Date of Manufacture:** June 2025

**Date of Expiry:** May 2030

TEST	SPECIFICATION	RESULT
Description	White to off-white fine powder	Complies
Solubility	Insoluble in water, soluble in mineral acids	Complies
Identification	Should match standard ( $\text{Al}^{3+}$ & $\text{SiO}_2$ present)	Complies
pH (5% slurry in water)	4.0 – 6.0	5.2
Loss on Ignition (at 900°C)	10% – 20%	14.7%
Aluminium Oxide ( $\text{Al}_2\text{O}_3$ )	18% – 22%	19.8%
Silicon Dioxide ( $\text{SiO}_2$ )	65% – 75%	70.3%
Iron (Fe)	NMT 0.1%	0.03%
Heavy Metals	NMT 20 ppm	<20 ppm

**Approved By**

(Quality Control Department)

Date: 23/06/2025

For LABPRO CHEM  
AUTH SIGNATORY

Signature: \_\_\_\_\_

TESTED BY  
PREM SINGH

APPROVED BY  
SHAKIL AHMED