

SPECIFICATION

Lithium Aluminium Hydride

Parameters	Specification
CAS Number	16853-85-3
Appearance	White to grayish powder
Molecular Formula	LiAlH ₄
Molecular Weight	37.95 g/mol
Boiling Point	400 °C
Melting Point	125 °C
Flash Point	0 °C
Purity	98–99%
Refractive Index	1.45
Solubility	Insoluble in water; reacts with water to liberate hydrogen; soluble in diethyl ether
Uses	Powerful reducing agent for organic synthesis; reduces carbonyl compounds to alcohols, esters to alcohols, and other functional groups

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