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Typical Product Specifications & Properties

Lithium Hydroxide, Anhydrous

CAS Number: : 1310-65-2

Specifications	Limits
Density	1.5
Slightly Soluble	in alcohol
Moderately Soluble	in water forming strongly alkaline solns.
Melting Point	462C
Assay	typical 98.5%
Al	typical 0.04%
CO2	typical 0.8%
Solubility	11.4 g/100g water at 40C
Solubility	12.0 g/100g water at 60C
Solution enthalpy	20.4 kJ/mol in water
Appearance	white, fine crystalline material
Molecular weight	1.43 g/ccm at 20C



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Specifications	Limits
Solubility	11.3 g/100g water at 20C
Bulk Density	0.4 - 0.5 g/ccm
Theoretical lithium content	29%
Specific Heat	2.07 J•g-1•K-1
Grain size	about 90% 0.05-0.5 mm
Na + K	typical 0.08%
Mg	typical 0.001%
Fe	typical 0.001%
Cl	typical 0.02%
SO4	typical 0.02%
Solubility	13.3 g/100g water at 80C
Solubility	15.0 g/100g water at 100C



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Specifications	Limits
Odor	odorless
Color	white powder or colorless crystal
Boiling Point	dec. 924 c



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