SIGMA-ALDRICH®

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Product Specification

Product Name:
Lithium hydroxide monohydrate – ACS reagent, ≥98.0%



Product Number:	**402974**
CAS Number:	1310-66-3
MDL:	MFCD00149772
Formula:	HLiO · H2O
Formula Weight:	41.96 g/mol

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals or Granules
X-Ray Diffraction	Conforms to Structure
Titration by HCL % LiOH.H2O	≥ 98.0 %
Assay % Li2CO3	≤ 2.0 %
Insoluble matter (C= 10%, H2O)	≤ 0.01 %
Chloride Content	≤ 0.01 %
Sulfate	≤ 0.05 %
Iron (Fe)	≤ 0.002 %
Heavy Metals by ICP-OES	≤ 20 ppm
Meets ACS Requirements	Current ACS Specification

Specification: PRD.2.ZQ5.10000015109

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.