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Certificate of Analysis

Product 48204 - Lithium Hydroxide Monohydrate ACS, 99% -
[1310-66-3]
Batch No 8673574
Analysis Date 14-Jan-2024
Date of Manufacture January 2024
Expiry Date/Re-Test Date January 2029
Molecular Formula LiOH.H₂O
Molecular Weight 41.96

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound / Solid	Crystalline compound
Solubility (Turbidity) 10% solution 5N HCl	Clear	Clear
Solubility (Colour) 10% solution 5N HCl	Colourless	Colourless
Assay (HCl titration)	min. 99.0%	99.8%
Acid insoluble matter	max. 0.01%	0.002%
Carbonate (Li ₂ CO ₃)	max. 2.0%	0.5%
Chloride (Cl)	max. 0.01%	Passes
Sulphate (SO ₄)	max. 0.02%	Passes
Iron (Fe)	max. 0.002%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes

FRM/82/11/4/48204 Rev No. 3 Date 19/02/2024

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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