

Certificate of Analysis



Date of Release: 11/03/2020
Name: Lithium chloride, GR ACS
Grade: Meets ACS Specifications
Item No: LX0331-3
Lot No.:
Country of Origin: Germany

Characteristic	Requirement	Results
Assay (argentometric)	≥ 99 %	99.5 %
Color	White	White
Form	Granules	Granules
Titration base	≤ 0.008 meq/g	≤ 0.008 meq/g
Heavy metals (ICP-OES)	≤ 0.002 %	≤ 0.002 %
Insoluble matter	≤ 0.01 %	≤ 0.005 %
Loss on drying (105°C)	≤ 1.0 %	0.19 %
SO ₄ (Sulphate)	≤ 0.01 %	≤ 0.01 %
Ba (Barium)	≤ 0.003 %	≤ 0.003 %
Ca (Calcium)	≤ 0.01 %	< 0.000%
Fe (Iron)	≤ 0.001 %	≤ 0.001 %
K (Potassium)	≤ 0.01 %	0.000 %
Na (Sodium)	≤ 0.20 %	0.000 %

Joe Schoellkopf

Quality Control Manager

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EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

EMD Millipore Corporation
400 Summit Drive
Burlington, MA 01803
U.S.A.

Form number: 00005624CA. Rev. 2.0

Certificate of Analysis



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Name: Lithium chloride, GR ACS
Grade: Meets ACS Specifications
Item No: LX0331-3
Lot No.:
Country of Origin: Germany

Characteristic	Requirement	Results
Assay (argentometric)	≥ 99 %	99.5 %
Color	White	White
Form	Granules	Granules
Titration base	≤ 0.008 meq/g	≤ 0.008 meq/g
Heavy metals (ICP-OES)	≤ 0.002 %	≤ 0.002 %
Insoluble matter	≤ 0.01 %	0.000 %
Loss on drying (105°C)	≤ 1.0 %	0.16 %
SO ₄ (Sulphate)	≤ 0.01 %	≤ 0.01 %
Ba (Barium)	≤ 0.003 %	≤ 0.003 %
Ca (Calcium)	≤ 0.01 %	0.000 %
Fe (Iron)	≤ 0.001 %	≤ 0.001 %
K (Potassium)	≤ 0.01 %	0.000 %
Na (Sodium)	≤ 0.20 %	0.000 %

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