

Product Specification

Product Name:

Lithium chloride anhydrous, free-flowing, PurReagent Plus, 98.0 – 102.0%
[Meets Biological Parameters]

Product No.: PSR46953
Brand: PureSynth
CAS No.: 7447-41-8
Molecular Formula: LiCl
Molecular Weight: 42.39 g/mol

LiCl

Test	Specification
Appearance	White crystalline powder, deliquescent
Assay (on dried basis)	98.0 – 102.0 %
Water insoluble matter	NMT 0.01 %
Acidity	pH between 5.5 to 7.0
Solubility	Complies
Arsenic	NMT 5.0 ppm
Loss on drying (130°C)	NMT 2.0 %
Barium (Ba)	NMT 0.003 %
Calcium (Ca)	NMT 0.01 %
Iron (Fe)	NMT 0.001 %
Potassium (K)	NMT 0.01 %
Sodium (Na)	NMT 0.2 %
Heavy metals	NMT 10.0 ppm
Nitrate (NO ₃)	NMT 0.001 %
Sulphate (SO ₄)	NMT 0.01 %
Total aerobic microbial count	
Total bacterial count	NMT 1000 cfu/gm
Total fungal count	NMT 100 cfu/gm
<i>E. coli</i>	Should be Absent/gm
<i>S. aureus</i>	Should be Absent/gm
<i>Salmonella</i>	Should be Absent/10gm
<i>P. aeruginosa</i>	Should be Absent/gm

Specification: PR-1.0-QA/550

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com