

Certificate of Analysis

Compound Information

Product Name:	Potassium chloride, AR, 99.5%
Cat. No.:	1085303
CAS No.:	7447-40-7
Molecular Formula:	ClK
Molecular Weight:	74.55
Chemical Structure:	

KCl

Batch Information

Batch No.:	Le022551984
Storage:	Storage temp. 2-8°C
Test Date:	2021-02-25
Retest Date:	2026-02-24
Origin:	Shanghai, China

QC Summary

Specification

Result

Appearance:	White to off-white (Solid)	White (Powder)
Assay, $\omega/\%$:	≥ 99.5	99.6
pH(50 g/L 25°C):	5.0~8.0	7.0
Clarity Test, No.:	≤ 3	qualified
Water Insoluble Substance, $\omega/\%$:	≤ 0.005	0.0047
Potassium Iodide(I), $\omega/\%$:	≤ 0.002	0.001
Bromide(Br), $\omega/\%$:	≤ 0.02	0.01
Sulfate(SO ₄), $\omega/\%$:	≤ 0.002	0.001
Total Nitrogen(N), $\omega/\%$:	≤ 0.001	qualified
Phosphate(PO ₄), $\omega/\%$:	≤ 0.0005	0.0005
Sodium(Na), $\omega/\%$:	≤ 0.02	qualified
Magnesium(Mg), $\omega/\%$:	≤ 0.001	qualified
Calcium(Ca), $\omega/\%$:	≤ 0.003	qualified
Iron(Fe), $\omega/\%$:	≤ 0.0003	qualified
Barium(Ba), $\omega/\%$:	≤ 0.001	qualified

Heavy Metals(as Pb), ω /%:

≤ 0.0005

qualified

Conclusion:

The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

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