

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

Potassium chloride - anhydrous, free-flowing, Redi-Dri™, ACS reagent, ≥99%

**Product Number:** 746436  
**Batch Number:** SLBX8752  
**Brand:** SIGALD  
**CAS Number:** 7447-40-7  
**Formula:** KCl  
**Formula Weight:** 74.55 g/mol  
**Quality Release Date:** 14 JUN 2018  
**Recommended Retest Date:** JUN 2021

KCl

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Assay	99.0 - 100.5 %	99.6 %
% KCl		
pH	5.4 - 8.6	5.6
OF A 5% SOL'N AT 25 DEGREES CELSIUS		
Insoluble Matter	≤ 0.005 %	0.001 %
Iodide	≤ 0.002 %	< 0.001 %
Bromide	≤ 0.01 %	< 0.01 %
Nitrate (NO <sub>3</sub> )	≤ 0.003 %	< 0.001 %
CHLORATE AND NITRATE TOGETHER = NMT		
0.003% (AS NO <sub>3</sub> )		
TYPICALLY 90% OR MORE OF THE PARTICLES		
WILL		
PASS THROUGH 325 MESH		
Phosphate (PO <sub>4</sub> )	≤ 5 ppm	< 3 ppm
Sulfate (SO <sub>4</sub> )	≤ 0.001 %	< 0.001 %
Barium	Pass	Pass
Calcium (Ca)	≤ 0.002 %	< 0.001 %
Magnesium (Mg)	≤ 0.001 %	< 0.001 %
Heavy Metals (as Lead)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 3 ppm	< 1 ppm
Sodium (Na)	≤ 0.005 %	< 0.005 %

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.

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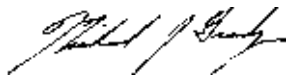
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**Product Number:** 746436  
**Batch Number:** SLBX8752

Test	Specification	Result
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
3 Years		



Michael Grady, Manager  
Quality Control  
Milwaukee, WI US

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