

## Certificate of Analysis

Product Name:

Potassium cyanide - ACS reagent,  $\geq 96.0\%$ 

Product Number: 207810  
Batch Number: MKCX1904  
Brand: SIGALD  
CAS Number: 151-50-8  
MDL Number: MFCD00011397  
Formula: CKN  
Formula Weight: 65.12 g/mol  
Quality Release Date: 16 JAN 2025

KCN

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals or Granules	Powder
Titration by AgNO <sub>3</sub>	$\geq 96.0\%$	99.2 %
ICP Major Analysis	Confirmed	Confirmed
Confirms K Component		
Iron (Fe)	$\leq 0.03\%$	$< 0.01\%$
Sodium (Na)	$\leq 0.5\%$	0.1 %
Lead (Pb)	$\leq 2$ ppm	$< 2$ ppm
Chloride Content	$\leq 0.5\%$	$< 0.5\%$
Phosphate (PO <sub>4</sub> )	$\leq 0.005\%$	$< 0.005\%$
Thiocyanate	Pass	Pass
Sulfide (S)	$\leq 0.003\%$	$< 0.003\%$
Sulfate (SO <sub>4</sub> )	$\leq 0.04\%$	$< 0.04\%$
Meets ACS Requirements	Current ACS Specification	Conforms



Larry Coers, Director  
Quality Control  
Milwaukee, WI US

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](http://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.

