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## Certificate of Analysis

Product Name:

Potassium cyanide – puriss. p.a., ACS reagent, reagent Ph. Eur., ≥97.0%

**Product Number:** 31252  
**Batch Number:** MKCG5659  
**Brand:** SIGALD  
**CAS Number:** 151-50-8  
**MDL Number:** MFCD00011397  
**Formula:** CKN  
**Formula Weight:** 65.12 g/mol  
**Quality Release Date:** 07 JUN 2018  
**Recommended Retest Date:** JAN 2022

KCN

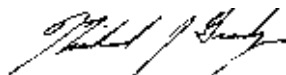
Test	Specification	Result
Titration with AgNO <sub>3</sub>	97.0 - 103.0 %	99.2 %
Chloride (Cl)	≤ 200 ppm	< 200 ppm
Phosphate (PO <sub>4</sub> )	≤ 50 ppm	< 50 ppm
Sulfide (S)	≤ 5 ppm	< 5 ppm
Thiocyanate (SCN)	≤ 100 ppm	< 100 ppm
Iron (Fe)	≤ 100 ppm	< 100 ppm
Sodium (Na)	≤ 5000 ppm	< 5000 ppm
Lead (Pb)	≤ 2 ppm	< 2 ppm
Total Sulfur	≤ 100 ppm	< 100 ppm

Recommended Retest Period  
 45 Months

Note

Identity, assay and impurities are complying to the monographs of the above mentioned pharmacopeias/codices.

Note



Michael Grady, Manager  
 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. 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.