

## Certificate of Analysis

Product Name:

Sodium thiocyanate - ACS reagent,  $\geq 98.0\%$ 

NaSCN

**Product Number:** 251410  
**Batch Number:** MKCS7705  
**Brand:** SIGALD  
**CAS Number:** 540-72-7  
**MDL Number:** MFCD00011123  
**Formula:** CNaNaS  
**Formula Weight:** 81.07 g/mol  
**Quality Release Date:** 20 JAN 2023

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals or Chunk(s)	Crystals
X-Ray Diffraction	Conforms to Structure	Conforms
Titration by AgNO <sub>3</sub>	$\geq 98.0 \%$	98.5 %
Insoluble Matter	$\leq 0.005 \%$	0.003 %
c = 20g/150ml, H <sub>2</sub> O		
Chloride Content	$\leq 0.01 \%$	0.01 %
Assay	$\leq 0.2 \%$	0.2 %
Carbonate (as Na <sub>2</sub> CO <sub>3</sub> )		
Iron (Fe)	$\leq 2 \text{ ppm}$	1 ppm
Heavy Metals (as Lead)	$\leq 5 \text{ ppm}$	1 ppm
Ammonia (NH <sub>4</sub> )	$\leq 0.002 \%$	0.002 %
Miscellaneous Assay	$\leq 0.001 \%$	0.001 %
Sulfide		
Sulfate (SO <sub>4</sub> )	$\leq 0.01 \%$	0.01 %
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.

