

Certificate of Analysis

Product Name : Sodium formate ACS reagent, ≥99.0%
Product Number : 247596-500G
Batch Number : 0000452680
Source Batch : 0000381671
CAS Number : 141-53-7
MDL Number : MFCD00013101
Molecular Formula : CHNaO₂
Formula Weight : 68.01 g/mol
Recommended Retest Date : Sep 2027
Quality Release Date : 22 Oct 2024

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Infrared spectrum	Conforms to Structure	Conforms
Titration by Na ₂ S ₂ O ₃	≥ 99.0 %	99.4 %
Insoluble Matter c = 10%; Water	≤ 0.005 %	< 0.005 %
Calcium (Ca)	≤ 0.005 %	< 0.005 %
Chloride Content	≤ 0.001 %	< 0.001 %
Iron (Fe)	≤ 5.0 ppm	< 5.0 ppm
Heavy Metals (as Lead)	≤ 5.0 ppm	< 5.0 ppm
Sulfate (SO ₄)	≤ 0.001 %	< 0.001 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
3 Years		



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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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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