

Certificate of Analysis

Product Name : Sodium dodecyl sulfate ACS reagent, ≥99.0%
Product Number : 436143-25G
Batch Number : 0000263514
Source Batch : MKCS1968
CAS Number : 151-21-3
MDL Number : MFCD00036175
Molecular Formula : C₁₂H₂₅NaO₄S
Formula Weight : 288.38 g/mol
Quality Release Date : 08 DEC 2022

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Flakes	Powder
Infrared Spectrum	Conforms to Structure	Conforms
UV/VIS Absorbance	≤ 0.1	0.1
220 - 350nm		
c = 3%; Water		
Assay	≤ 4.0 %	< 0.1 %
% Unsulfated Alcohols		
Purity (Titration by NaOH)	≥ 99.0 %	99.7 %
With NaOH or With Benzethonium Chloride (Dried Basis)		
Purity (GC)	≥ 96.0 %	99.3 %
% Fatty Alcohols		
Loss on Drying	≤ 1.0 %	0.5 %
105 Degrees Celsius, Constant Wt		
Heavy Metal	≤ 0.002 %	< 0.001 %
as Lead		
Titrateable Base	≤ 0.06 MEQ	< 0.06 MilliEquiv
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. 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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