

Product Name:

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## **Certificate of Analysis**

Benzalkonium chloride - ≥95.0% ((calculated on dry substance), T)

Product Number:12060Batch Number:BCCL3739Brand:SIALCAS Number:63449-41-2Quality Release Date:14 FEB 2024

CI CH<sub>2</sub> CH<sub>2</sub> CH<sub>2</sub>)<sub>n</sub>CH<sub>1</sub>

Test	Specification	Result
Appearance (Color)	White to Faint Green and White to Dark Yellow and White to	Light Yellow
	Green-Yellow	
Appearance (Form)	Solid or Semi-Solid or Viscous Liquid	Viscous Liquid
Titration with AgNO3	95.0 - 104.0 %	97.8 %
anhydrous		
Titration with HCIO4		368.0
360 eq. wt. (+/- 30)		
Purity (HPLC)	60.0 - 80.0 %	70.8 %
~ 70 % Benzyldimethyldodecylammonium		
Chloride		
HPLC Minor Component 1	20.0 - 40.0 %	27.8 %
~ 30 % Benzyldimethyltetradecylammonium		
Chloride		
Solubility (Color)	Colorless to Very Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
1g in 10ml Water, hot		
Water	≤ 10 %	5 %
Sulphated Ash	≤ 0.1 %	0.0 %
Infrared Spectrum	Conforms to Structure	Conforms

Dr. R. Shir

Dr.Reinhold Schwenninger Quality Assurance Buchs,Switzerland CH

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.



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