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## Certificate of Analysis

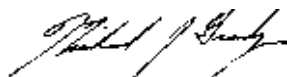
Product Name:

Chloroform - biotech. grade, ≥99.8%, contains 0.5-1.0% ethanol as stabilizer

**Product Number:** 496189  
**Batch Number:** SHBH9053  
**Brand:** SIGALD  
**CAS Number:** 67-66-3  
**MDL Number:** MFCD00000826  
**Formula:** CHCl<sub>3</sub>  
**Formula Weight:** 119.38 g/mol  
**Quality Release Date:** 06 FEB 2017

CHCl<sub>3</sub>

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.80 %	99.98 %
Excluding Stabilizer		
Stabilizer	0.5 - 1.0 %	0.8 %
V% Ethanol as Stabilizer		
pH	5.2 - 6.4	5.7
Water (by Karl Fischer)	≤ 0.01 %	< 0.01 %
Residue on Evaporation	≤ 0.0003 %	< 0.0001 %
Color Test	≤ 10 APHA	< 10 APHA
Free Chlorine	Pass	Pass
ACS Testing Protocol		
Lead (Pb)	≤ 0.05 ppm	< 0.05 ppm
ACS Testing Protocol		



Michael Grady, Manager  
 Quality Control  
 Sheboygan Falls, 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.