

Certificate of Analysis

Product Name:

Chloroform - puriss. p.a., reag. ISO, reag. Ph. Eur., 99.0-99.4% (GC)

Product Number: 32211
Batch Number: SDBB4233
Brand: SIGALD
CAS Number: 67-66-3
Formula: CHCl₃
Formula Weight: 119,38 g/mol
Quality Release Date: 23 JUN 2025
Recommended Retest Date: MAY 2027

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Titrateable Acid	≤ 0.00005 %	< 0.00005 %
Free Acid as HCl		
Purity (GC)	99.0 - 99.4 %	99.4 %
GC Minor Component 1	≤ 0.01 %	< 0.01 %
Tetrachloromethane		
GC Minor Component 2	≤ 0.01 %	< 0.01 %
Trichloroethene		
GC Minor Component 3	≤ 0.01 %	< 0.01 %
Tetrachloroethene		
GC Minor Component 4	≤ 0.03 %	< 0.01 %
Dichloromethane		
GC Stabilizer	0.6 - 1.0 %	0.6 %
EtOH		
Specific Gravity	1.476 - 1.483	1.480
1.476 - 1.483 at 20 Deg C		
Boiling Range	Complying	Complies
(ASTM) 60 - 62 Deg C		
Water (Coulometric)	≤ 0.01 %	< 0.01 %
Residue after evaporation	≤ 0.0005 %	< 0.0001 %
Free Chlorine	≤ 0.00001 %	< 0.00001 %
Aldehyde Content	≤ 0.005 %	< 0.005 %
as Acetone		

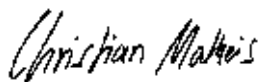
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Test	Specification	Result
Aluminum (Al)	≤ 0.50 ppm	< 0.50 ppm
Barium (Ba)	≤ 0.10 ppm	< 0.10 ppm
Boron (B)	≤ 0.02 ppm	< 0.02 ppm
Calcium (Ca)	≤ 0.50 ppm	< 0.50 ppm
Cadmium (Cd)	≤ 0.05 ppm	< 0.05 ppm
Cobalt (Co)	≤ 0.02 ppm	< 0.02 ppm
Chromium (Cr)	≤ 0.02 ppm	< 0.02 ppm
Copper (Cu)	≤ 0.02 ppm	< 0.02 ppm
Iron (Fe)	≤ 0.10 ppm	< 0.10 ppm
Magnesium (Mg)	≤ 0.10 ppm	< 0.10 ppm
Manganese (Mn)	≤ 0.02 ppm	< 0.02 ppm
Nickel (Ni)	≤ 0.02 ppm	< 0.02 ppm
Lead (Pb)	≤ 0.05 ppm	< 0.05 ppm
Tin (Sn)	≤ 0.10 ppm	< 0.10 ppm
Zinc (Zn)	≤ 0.10 ppm	< 0.10 ppm
Chloride (Cl)	≤ 0.0001 %	< 0.0001 %
Substances Darkened (by H ₂ SO ₄)	Pass	Pass
Passes Test		
Carbonyl Compounds	≤ 0.005 %	< 0.005 %
as Co		
Note	Conforms	Conforms
Complies for Suitability of		
Determination with Dithizone		



Dr. Christian Matheis
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Schnelldorf, Germany DE

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