



PRODUCT SPECIFICATION SHEET
 CHLOROFORM
 GLASS PURIFIED, GLASS DISTILLED
 HRGC/HPLC – TRACE GRADE
 Catalog No: 309000DIS, 30900HPLC, 309000ACS

Available in 4x4 liter Amber Glass

Gas Chromatographic Analysis of this product using an electron capture detector shows no peaks with a response greater than 10 pg/ml as Heptachlor Epoxide.

Product Specifications	Limits	Typical Lot Analysis
GC-ECD	10 ppt max	1.9 ppt
UV Absorbance @ 245 nm	1.000 max	0.6880
250 nm	0.300 max	0.2650
255 nm	0.250 max	0.1000
260 nm	0.150 max	0.0280
270 nm	0.050 max	0.0078
275 nm	0.050 max	0.0037
280 nm	0.005 max	0.0000
300 nm	0.005 max	0.0000
400 nm	0.005 max	0.0000
Assay, (GC), min, Including preservative	99.9%	99.96%
Residue After Evaporation	3 ppm max	<1 ppm
Boiling Range	60-61C	Pass
Color (APHA), max	10	<5
Fluorescence Background	1 ppb	<1 ppb
Appearance	Clear	Clear
Water, max	0.02%	0.002%
Liquid Chromatography (ACS)	To pass test(s)	
Absorbance (UV)		Pass
Gradient Elution		Pass
Gradient Analysis @	254 nm	Pass
Acetone and Aldehyde, max	To Pass	Pass
Acid and Chloride, max	To Pass	Pass
Free Chlorine (Cl), max	To Pass	Pass
Lead (Pb), max	0.05ppm	<0.05ppm
Substances Darkened by H2SO4	To Pass	Pass
Suitability for use in Dithizone tests	To Pass	Pass
Stabilizer-Ethanol or Amylene (v/v)	0.5%-1.3%	0.75%
Identification (IR/GC)	To Conform	Pass
Filtered to 0.2 um max	Per Lot	Pass

Form Chloroform-Distilled, # 301, Rev. 2.0, 08/01

Purified, dried and distilled in glass – Suitable for: High Resolution Gas Chromatography, Mass Spectroscopy, Trace Organic Analysis, Critical and Routine HPLC. Meets all other ACS Specifications for General Use Reagent, Spectrophotometric Analysis and General Use HPLC.


Approved by: Paul DiMarco, Vice President Quality Management

FOR INDUSTRIAL OR LAB USE ONLY. Not intended as an active substance in Food or Drug. Not to be considered a Medical Device. Not intended for use as a Disinfectant as defined by the EPA. The expiration date of this product is three years from the date of manufacture. (Rev. # Disclaimer only: Rev 2.0 11/19/01 PJM)


This document has been electronically generated and is therefore not signed. A signed copy can be obtained from Pharmco's Quality Control office.

Shipping Name:
Chloroform
Hazard Class: 6.1
UN: 1888
PG: II
CAS NO. 67-66-3

LOT NO:
Main Catalog No:
32990035
Alternate Catalog No:
20004PL
20000ACS
4 X 4 LITER
(51.85 lbs net)



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FLAMMABLE LIQUID
CHEMTREC NO. 1-800-424-9300

Chloroform
Glass Purified, Glass Distilled

Purified, dried and distilled in glass. Suitable for: High Resolution Gas Chromatography, Mass Spectrometry, Trace Organic Pesticide Analysis, Critical and Routine HPLC. Meets all other ACS Specifications for Reagent, Spectrochemicals and General Use HPLC.*

Gas Chromatographic Analysis of this product using an electron capture detector shows no peaks with a response greater than 10pt as heptachlor Epoxide.

Product Specifications	Limits	Typical Lot Analysis
GC-ECD	10ppt max.	1.3ppt
UV Absorbance @	A.U.	A.U.
245nm	1.000 max.	0.0080
250nm	0.300 max.	0.2650
255nm	0.250 max.	0.1000
260nm	0.150 max.	0.0280
270nm	0.050 max.	0.0078
275nm	0.050 max.	0.0037
280nm	0.005 max.	0.0000
300nm	0.005 max.	0.0000
400nm	0.005 max.	0.0000
Assay by GC, min (excluding stabilizer)	99.9%	99.98%
Residue After Evap., max	3 ppm max.	<1ppm
Boiling Range	60-61°C	Pass
Color (APHA), max.	10	<5
Fluorescence Background	1ppb	<1ppb
Appearance	Clear	Clear
Water, max	0.02%	0.002%
Liquid Chromatography (ACS) To Pass Test(s)		Pass
Absorbance (UV)		Pass
Gradient Elution		Pass
Gradient Analysis @254 nm	To Pass	Pass
Arenes & Aldehyds, max.	To Pass	Pass
Acid and Chloride, max.	To Pass	Pass
Free Chlorine, max.	To Pass	Pass
Lead (Pb), max.	0.05ppm	<0.050ppm
Subst. Damaged by H2SO4	To Pass	Pass
Suitable for use in offshore wells	To Pass	Pass
Stabilizer-Ethanol or Amylene(v/v)	0.5-1.3%	0.75%
Mercaptan (PVTG)	To Conform	Pass
Filtered to 0.2um max.	Per Lot	Pass

GLASS DISTILLED

DANGER: CHLORINATED SOLVENT & VAPOR. Improper Exposure Can Result in Injury or Death! Suspect Cancer Causing Agent! Wear all recommended protective equipment. Refer to MSDS for additional information.*

STORAGE AND HANDLING: Keep in a cool, dry place. Do not expose to direct sunlight. Use only with proper personal protective equipment and ventilation. Refer to MSDS for additional information.*

FIRST AID: SEEK IMMEDIATE MEDICAL ATTENTION. REFER TO MSDS FOR APPROPRIATE FIRST AID FOR THIS CHEMICAL.*

REFER TO MSDS PRIOR TO USE. Use Only Under Appropriate Conditions. Use Only Under Trained Supervision.*

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