



PRODUCT SPECIFICATION SHEET

1-CHLOROBUTANE

Glass Purified, Glass Distilled

HRGC/HPLC-Trace Grade

Catalog No: 344000DIS

Available in 4x4 liter Amber Glass

GC Analysis of this product using an electron capture detector shows no peaks with a response greater than 10ppt as Heptachlor Epoxide.

Test	Specification	Typical Lot Analysis
Assay(by GC)	NLT 99.5%	99.83%
GC-ECD	To Pass	Pass
UV Absorbance @	A.U.	A.U.
225nm	1.000 max.	0.202
250nm	0.020 max.	0.009
300nm	0.010 max.	0.005
400nm	0.010 max.	0.000
UV Cutoff	225nm	190nm
Color (APHA)	10	<5
Appearance	Clear	Clear
Residue After Evaporation	NMT 5ppm	< 2ppm
Water (wt.%)	0.02% max	0.0017%
Liquid Chromatography (ACS)	To Pass	Pass
Identification (IR/GC)	To Conform	Pass
Filtered to 0.2 micron, max.	Per Lot	Pass

Form 1-Chlorobutane-Distilled, #101, 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.

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


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Shipping Name:
Chlorobutane
Hazard Class: 3
UN: 1127
PG: II
1-Chlorobutane
CAS NO: 109-69-3


LOT NO:

Main Catalog No :
324000DS

Alternate Cat. No:
324001PLC
324002ALS




pharmco
PRODUCTS INC
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1-CHLOROBUTANE
Glass Distilled, GC/MS, Organic

Catalog No
344000DS 4 X 4 Liter

Product Specifications	Limits	Typical Lot Analysis
Assay by GC, min.	99.5%	99.91%
GC-ECD	To Pass	Pass
UV Absorbance @	A.U.	A.U.
225nm	1.000 max.	0.202
250nm	0.020 max.	0.009
300nm	0.010 max.	0.005
400nm	0.010 max.	0.000
UV Cutoff	225nm	190nm
Color (APHA)	10	<5
Appearance	Clear	Clear
Residue after Evaporation, max.	5ppm	<2ppm
Water, max.	0.02%	0.004%
Liquid Chromatography (ACS)	To Pass Test	Pass
Identification (IR/GC)	To Conform	Pass
Filtered to 0.2 micron, max.	Per Lot	Pass



DANGER: FLAMMABLE LIQUID & VAPOR. Keep away from all sources of ignition. Improper Exposure Can Result in Injury or Death. 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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