



PRODUCT SPECIFICATION SHEET
 ACETONITRILE
 GLASS PURIFIED, GLASS DISTILLED
 HPLC GRADE

Catalog Number: 30000HPLC, 300000DIS, 300000ACS

Available in the following sizes:

4x4 liter Amber Glass, 6x1 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.

| Product Specifications | Limits | Typical Lot Analysis |
|-----------------------------------|-----------------|----------------------|
| UV Absorbance , A.U @ 190 nm | 1.000 max | 0.357 |
| 195 nm | 0.150 max | 0.065 |
| 200 nm | 0.070 max | 0.010 |
| 205 nm | 0.050 max | 0.005 |
| 210 nm | 0.040 max | 0.004 |
| 220 nm | 0.020 max | 0.000 |
| 254 nm | 0.010 max | 0.000 |
| Assay, (GC), min | 99.9% | 99.9% |
| Residue After Evaporation | 3 ppm max | <1 ppm |
| Fluorescence Background | 1 ppb | <1 ppb |
| Color (APHA), max | 10 | 3 |
| Appearance | Clear | Clear |
| Titration Acid, max | 0.001 meq/g | 0.0007 |
| Titration Base, max | 0.0001 meq/g | <0.0001 |
| Substances Red. KMnO ₄ | To Pass Test | Pass |
| Water, max | 0.01% | 0.009% |
| Liquid Chromatography (ACS) | To pass test(s) | |
| Absorbance (UV) | | Pass |
| Gradient Elution | | Pass |
| Gradient Analysis @ | 254 nm | Pass |
| Gradient Analysis @ | 210 nm | Pass |
| Identification (IR/GC) | To Conform | Pass |
| Filtered to 0.2 um max | Per Lot | Pass |

Form: Acetonitrile, Distilled, #301, rev. 2.0, 10/01

Purified, dried and distilled in glass – suitable for: High Resolution Gas Chromatography, 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:
Acetone
Hazard Class: 3
UN: 1090
PG: II
CAS NO. 67-64-1
Made in Canada

LOT NO:
XXXXXXXXXXXX

Main Catalog No:
329000318

Alternate Cat. No:
32900HPLC
32900ACS

6 x 1 Liter
(16.5 lbs net)



58 Vale Road Brookfield, Connecticut 06804 USA
Phone (203) 740-3471 FAX (203) 740-3481 DSP-CT-18



FLAMMABLE LIQUID

3

CHEMTREC NO. 1-800-424-9300

GLASS DISTILLED

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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GC Analysis of the product using an Electron-capture detector shows no peaks with a response greater than 10 ppt as Propagator Epoxide.

| Product Specifications | Limits | Typical Lot Analysis |
|--------------------------------|------------------|----------------------|
| GC-ECD | 10ppt max. | 0.0ppt |
| UV Absorbance @ | A.U. | A.U. |
| 220nm | 1.000 max. | 0.000 |
| 240nm | 0.100 max. | 0.000 |
| 260nm | 0.020 max. | 0.000 |
| 275nm | 0.010 max. | 0.000 |
| 400nm | 0.005 max. | 0.000 |
| Assay by GC, min | 99.9% | 99.99% |
| Residue After Evaporation, max | 3 ppt max. | <1 ppt |
| Boiling Range | 56-57C | Pass |
| Color (APHA), max | 10 | 1 |
| Fluorescence Background | Clear | Clear |
| Appearance | Clear | Clear |
| Solubility in Water | To Pass Test | Pass |
| Titrable Acid, max | 0.0001 meq/g | 0.00017 |
| Titrable Base, max | 0.0001 meq/g | 0.00016 |
| Aldehyde (as HCHO), max | 0.000% | Pass |
| IPA, max | 0.05% | ND |
| Methanol, max | 0.05% | 0.016% |
| Substances Perturbing HPLC | To Pass Test | Pass |
| Water, max | 0.5% | 0.2% |
| Specific Gravity @25C | 0.7900 | Pass |
| Liquid Chromatography (LC) | To Pass Test (a) | Pass |
| Absorbance (A) | | Pass |
| Gradient Elution | | Pass |
| Gradient Analysis | | Pass |
| Identification (IR) (NF) | Confirms | Pass |
| Filtered to 0.2 microns | Per Lot | Pass |

Approved by: Paul DiMarco, Vice President Quality Management

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