



PRODUCT SPECIFICATION SHEET
n-PENTANE
GLASS PURIFIED, GLASS DISTILLED
HRGC/HPLC – TRACE GRADE
 Catalog # / Product Code: 364000DIS 36400HPLC 364000ACS
 Available in the following sizes:

4x4 liter Amber Glass, 6x1 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 pg/ml max	<5 pg/ml
UV Absorbance @ 190 nm	1.000 max	0.287
200 nm	0.300 max	0.175
210 nm	0.200 max	0.0620
220 nm	0.060 max	0.020
250 nm	0.010 max	0.002
300 nm	0.010 max	0.0000
400 nm	0.01 max	0.0000
Assay by GC, min n-Pentane	99.0%	99.78%
Assay by GC, Pentanes	99.9%	99.99%
Color (APHA), max	10	<5
Fluorescence Background	1 ppb	<1 ppb
Appearance	Clear	Clear
Water, max	0.01%	0.002%
Residue after Evaporation, max	3 ppm	<1 ppm
Liquid Chromatography (ACS)	To pass Test(s)	
Absorbance (UV)		Pass
Gradient Elution		Pass
Gradient Analysis @ 254 nm		Pass
Identification (IR/GC)	To Conform	Pass
Filtered to 0.2 um max	Per Lot	Pass

Form: n-Pentane, Distilled, #101, rev.2.0,10/01

Purified, dried and distilled in glass-Suitable for:

High Resolution Gas Chromatography, Mass Spectroscopy, Trace Organic Analysis, Pesticide Analysis, Critical HPLC, Routine HPLC Analysis. Meets All Applicable Specifications.

Approved by: Paul DiMarco, Vice President Quality Management

Date: 2/15/00

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

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)


Shipping Name:
Pentanes
Hazard Class: 3
UN: 1208 PG: I
n-Pentane
CAS NO. 106-66-0

LOT NO:


Main Catalog No:
36400005

Alternate Cat. No:
36400PLC
36400ACS

4 x 4 Liters



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FLAMMABLE LIQUID
3

n-PENTANE
Glass Purified, Glass Distilled

Purified, glass distilled in glass. Suitable for High Resolution Gas Chromatography. Meets Specifications. Meets Dipnol® Pentane Analysis. Check with Pentane HPLC. Meets all other ACS Specifications for Pentane. Gas chromatograms and samples use HPLC.

GC Analysis of this product using an electron capture detector shows no peaks with a response greater than 1 Dgpt as reported by Spicette.

Product Specifications	Limits	Typical Lot Analysis
GC-ECD	10ppb/ml min.	<5 ppb/ml
UV Absorbance @	A.U.	A.U.
150nm	0.000 max	0.2870
200nm	0.320 max	0.1170
210nm	0.200 max	0.0620
220nm	0.060 max	0.0000
230nm	0.010 max	0.0000
300nm	0.010 max	0.0000
400nm	0.01 max	0.0000
Assay by GC, n-n-Pentane	99.9%	99.78%
Assay by GC, Pentanes	99.9%	99.99%
Color (APHA), max	10	<5
Fluorescence Background	1cm	<100
Appearance	Clear	Clear
Water, max	0.01%	0.002%
Residue After Evaporation, max.	3ppm	<1000
Liquid Chromatography (HPLC)	To Pass Test(s)	Pass
Absorbance (UV)		Pass
Gradient Elution		Pass
Gradient Analysis @ 254nm		Pass
Identification (IR/GC)	To Confirm	Pass
Filtrated to 0.2um max	Per Lot	Pass

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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