



**PRODUCT SPECIFICATION SHEET**  
**2,2,4-TRIMETHYLPENTANE (Isooctane)**

GLASS PURIFIED, GLASS DISTILLED  
 MEETS HRGC/HPLC-TRACE GRADE MONOGRAPHS

Main Catalog # / Product Code: 398000DIS Alt. Cat Nos: 39800HPLC 398000ACS

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 ppt max	5 ppt
UV Absorbance @ 205 nm	1.00 max	0.398
220 nm	0.20 max	0.036
230 nm	0.10 max	< 0.008
254 nm	0.01 max	< 0.001
280 nm	0.01 max	< 0.001
Assay, (GC), min	99.8%	99.8%
Residue After Evaporation	3 ppm max	<1 ppm
Color (APHA), max	10	<5
Appearance	Clear	Clear
Water, max	0.02%	0.001%
Substances darkened by H <sub>2</sub> SO <sub>4</sub>	To Pass	Pass
Sulfur Compounds (S)	0.003% max	<0.001%
Density @ 25 C	0.690 g/ml max	0.6869g/ml
Fluorescence	1.0 ppb max	1 ppb
Refractive Index @ 25C	1.3885 – 1.3905	1.38859
Water Soluble Titrable Acid	0.003 meq/g max	<0.003 meq/g
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: 2,2,4-trimethylpentane, distilled, #101, rev.2.3, 06/16, KAD

**Purified, dried and distilled in glass-Suitable for:**

High Resolution Gas Chromatography, Mass Spectroscopy, Trace Organic Analysis, Pesticide Analysis, Critical HPLC, and Routine HPLC Analysis. Meets All Applicable Specifications Including HPLC Grade ACS, Spectrophotometric Grade ACS & Reagent Grade ACS.

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.