

La-Mar-Ka, Inc.

ISO 9001 Certified

LMK Cat. No. 6899

Product Specifications

2,2,4-TRIMETHYLPENTANE (Isooctane)

GLASS PURIFIED, GLASS DISTILLED

HRGC/HPLC – TRACE GRADE

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	0.01%	0.001%
Substances darkened by H ₂ SO ₄	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

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