

# La-Mar-Ka, Inc.

ISO 9001 Certified

LMK Cat. No. 3502

## Product Specifications

# METHANOL (ABSOLUTE)

## HPLC/ACS-UV GRADE

Product Specifications	Limits	Typical Lot Analysis
Assay by GC, min.	99.9%	99.9%
Color (APHA), max.	10	Pass
Appearance	Clear	Clear
Substances Darkened by H <sub>2</sub> SO <sub>4</sub>	To Pass Test	Pass
Substances Reducing KmnO <sub>4</sub>	To Pass Test	Pass
Water, max.	0.05%	0.01%
Residue After Evaporation, max.	5 ppm	<5 ppm
Solubility in Water	To Pass Test	Pass
Carbonyl Compounds, max. (Acetone, Formaldehyde, Acetaldehyde)	0.001%	Pass
Titration Acid, max.	0.0003 meq/g	0.0002
Titration Base, max.	0.0002 meq/g	0.0001
UV Absorbance (ACS) @ 400-280	0.01	0.006
@ 260 nm	0.04	0.015
@ 240 nm	0.10	0.060
@ 230 nm	0.20	0.130
@ 220 nm	0.40	0.251
@ 210 nm	0.80	0.518
@ 205 nm	1.00	0.919
Identification (IR)	To Pass Test	Pass
Acidity (NF)	To Pass Test(s)	Pass
Alkalinity (as NH <sub>4</sub> ) (NF)	3 ppm max.	< 3 ppm
Readily Carbonizable Substances	To Pass Test	Pass
Acetone & Aldehydes (NF)	0.003%	< 0.003%
Readily Oxidizable Substances	To Pass Test	Pass
Organic Volatile Impurities	To Pass Test	Pass
Liquid Chromatography (ACS)	To Pass Test(s)	Pass

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