

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name:	<b>Ethylene glycol</b>
Specifications & Purity:	Ultrapure BioReagent, ≥99.5% (GC)
SKU #	<b>E431350</b>

Parameter	Limit Values
Appearance(E431350)	Colorless Liquid
Free carboxylic acid (as ACOH)	0-0.002 (%)
Purity(GC)	99.5-100 (%)
Refractive index n <sub>20</sub> /D	1.430-1.432
Water by Karl Fischer	0-0.1 (%)
Aluminum(Al)	0-5 (ppm)
Barium(Ba)	0-0.1 (ppm)
Bismuth(Bi)	0-0.1 (ppm)
Calcium(Ca)	0-0.5 (ppm)
Cadmium(Cd)	0-0.05 (ppm)
Cobalt (Co)	0-0.02 (ppm)
Chrome(Cr)	0-0.02 (ppm)
Copper(Cu)	0-0.02 (ppm)
Iron(Fe)	0-0.1 (ppm)
Potassium(K)	0-0.5 (ppm)
Lithium(Li)	0-0.1 (ppm)
Magnesium (Mg)	0-0.1 (ppm)
Manganese(Mn)	0-0.02 (ppm)
Molybdenum(Mo)	0-0.1 (ppm)
Sodium(Na)	0-1 (ppm)
Nickel(Ni)	0-0.02 (ppm)
Lead(Pb)	0-0.1 (ppm)
Strontium(Sr)	0-0.1 (ppm)
Zinc(Zn)	0-0.1 (ppm)
Arsenic(As)	0-0.1 (ppm)
Chloride (Cl <sup>-</sup> )	0-10 (ppm)
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-10 (ppm)
Residue (filter test)	Pass
UV-ABS.at 260 nm	≤ 0.03
UV-ABS.at 280 nm	≤ 0.01
Infrared spectrum	Conforms to Structure