

PRODUCT SPECIFICATION SHEET

Completely Denatured Alcohol 12A, 200 Proof, Kosher Ethanol Denatured with n-Heptane Grain Derived Ethanol

Test	Specification	Typical Results
Ethanol, 200 Proof	95.24% (v/v)	95.42%
n-Heptane	4.76% (v/v)	4.58%
Water Content	.2% (wt/wt)	0.03%
Appearance	Clear colorless liquid	Pass
Odor	Characteristic	Pass
Color (Pt-Co)	10 Max.	1
Specific Gravity @ 15.56oC	0.787 – 0.791 @ 15.56C	0.788
Titration Acid	0.0005 meq/g max.	0.0002 meq/g
Titration Base	0.0002 meq/g max.	0.0001 meq/g
Residue on Evaporation	0.001% max.	0.000%
Sulfur Compounds (as S)	0.0050% max.	0.0000%
Acetone	20 ppm max.	None Detected
Isopropyl Alcohol	20 ppm max.	None Detected
Methanol	20 ppm max.	3 ppm
Acetaldehyde and Acetal	10 ppm max.	None Detected
Benzene	2 ppm max.	None Detected
Toluene	2 ppm max.	None Detected
Sum of all other impurities	50 ppm max.	None Detected
Heavy Metals (as Pb)	0.5 mg/kg max.	<0.5 mg/kg

CDA 12-A (n-Heptane) is prepared according to TTB formula 27 CFR par 21.26.
The formula contains 100 gallons ethyl alcohol and 5 gallons n-heptane.