

## CERTIFICATE OF ANALYSIS

Product: Completely Denatured Alcohol Formula 12-A 200 proof (n-Heptane)  
 Product no: B13792

Date: 01-31-20	P.O. number <i>PO-112846</i>
Batch/Lot no. 259165	Bill of Lading <i>226910</i>
Batch size 6800 gallons	Container
Customer product code _____	

CHARACTERISTIC	SPECIFICATION	TEST RESULT
Appearance	Clear thin liquid	Pass
Color (APHA)	≤ 15 Pt-Co	Pass
Odor	Characteristic	Pass
Suspended matter	Substantially free from particulate	Pass
Specific gravity @ 60°F	0.785 – 0.793	0.788
Water content, % (ppm)	NMT 0.2 (2000)	0.03 (269)
Identity (GC)	Compares to standard	Pass
<b>Typical Composition</b>		
Ethanol, wt%		95.8%
n-Heptane, wt%		4.2%

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

Laboratory *[Signature]*  
*02-05-20*  
*SS Feb-05-20*