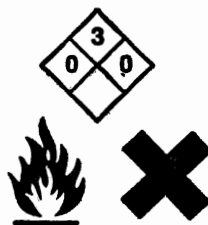


KOSHER, NOT KOSHER
FOR PASSOVER USE



Main Catalog No:
111000200

Alternate Catalog No:
111ACS200
111USP200



DOT INFORMATION
Ethanol Solutions
Hazard Class: 3
UN 1170
PG: II
Ethanol CAS No. 64-17-5



THE POWER OF THREE³

PHARMCO-AAPER

AND COMMERCIAL ALCOHOLS

ETHYL ALCOHOL

200 Proof-Absolute, Anhydrous

ACS/USP GRADE

4 X 1 Gallon

Product Specifications		Limits	Typical
Assay %v/v (ACS/USP)			
Water (ACS)		NLT 99.5%	99.98%
Proof@20C (Pharmco)		NMT 0.2%	0.02%
Specific Gravity@20C (Pharmco)		NLT 199	200.0
Specific Gravity @ 15.56 C (USP)		0.7900-0.7932	0.7904
ID Test A (USP)		NMT 0.7962	0.7935
ID Test B (USP)		Complies w/Specific Gravity	Pass
Color (APHA) (ACS)		Conforms to Infrared Spectra	Pass
Clarity of Solution (USP)		NMT 10	<10
Color of Solution (USP)		To Pass Test	Pass
Solubility in Water (ACS)		To Pass Test	Pass
Non Volatile Residue (ACS)		To Pass Test	Pass
Limit of NonVolatile Residue (USP)		NMT 0.001%	<0.001%
Acetone/IPA (ACS)		NMT 2.5mg.	<1.0mg
Titration Acid (ACS)		To Pass Tests	Pass
Titration Base (ACS)		NMT 0.0005meq/g	<0.0003 meq/g
Acidity or Alkalinity (USP)		NMT 0.0002meq/g	<0.0001 meq/g
Methanol (ACS)		To Pass Test	Pass
Subst. Dark by Sulfuric Acid (ACS)		NMT 0.1%	<0.001%
Subst. Reducing Permanganate (ACS)		To Pass Test	Pass
UV Absorbance (USP)		To Pass Test	Pass
240nm		0.40 max.	0.29
	250nm	0.30 max.	0.11
	260nm	0.30 max.	0.04
	270nm	0.10 max.	0.02
	340nm	0.10 max.	0.00
Absorption Curve between 235nm-340nm		Curve is smooth	Pass
Ultraviolet Absorbance purged of O2 (ACS)		To Pass Test	Pass
Volatile Impurities (USP):	Methanol	100ppm max.	<20ppm
	Sum of Acetal & Acetaldehyde	10ppm max.	<1ppm
	Benzene	2ppm max.	<1ppm
	Sum of all secondary peaks	300ppm max.	<50ppm

WINE GALLONS: 4.0
PROOF: 200
PROOF GALLONS: 8.0

GROSS WEIGHT: 29.4 LBS
TARE WEIGHT: 3 LBS
NET WEIGHT: 26.4 LBS

DANGER: FLAMMABLE LIQUID & VAPOR. Keep away from all sources of ignition. Improper Exposure Can Result in Injury or Death! Wear all recommended protective equipment. Refer to MSDS for additional information.*

REFER TO MSDS PRIOR TO USE.
Use Only Under Appropriate Conditions.
Use Only Under Trained Supervision.*

STORAGE AND HANDLING: Keep in a cool, dry place. Do not expose to direct sunlight. Use only with proper personal protective equipment and ventilation. Refer to MSDS for additional information.*

FOR INDUSTRY/PHARMA/LAB USE ONLY. Not intended as an active substance in Food or Drug. Not to be considered a Med. Device. Not intended for use as a Disinfectant as defined by the EPA.*

FIRST AID: SEEK IMMEDIATE MEDICAL ATTENTION REFER TO MSDS FOR APPROPRIATE FIRST AID FOR THIS CHEMICAL.*

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