

Item Number	E1020
Item	Ethyl Alcohol, 190 Proof, FCC
CAS Number	64-17-5
Molecular Formula	C ₂ H ₅ OH
Molecular Weight	46.07
MDL Number	
Synonyms	Alcohol ; Ethanol ; Grain Derived Alcohol ; Ethyl Alcohol

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (by VOLUME)	94.9 %	
ACIDITY (as CH ₃ COOH)		0.003 %
ALKALINITY (AS AMMONIA)		3 mg/kg
FUSEL OIL	NO FOREIGN ODOR	
KETONE, ISOPROPYL ALCOHOL	NO PRECIPITATE FORMS	
LEAD (Pb)		0.5 mg/kg
METHANOL AND OTHER VOLATILE IMPURITIES:		
METHANOL		200 ?L/L
ANY OTHER SINGLE IMPURITY (as 4-methylpentan-2-ol)		1000 ?L/L
SUM OF ALL IMPURITIES		5000 ?L/L
NONVOLATILE RESIDUE		0.003 %
SOLUBILITY IN WATER	NO HAZE OR TURBIDITY DEVELOPS	
SUBSTANCES DARKENED BY SULFURIC ACID	NO MORE COLOR THAN ACID	
SUBSTANCES REDUCING PERMANGANATE	THE PINK COLOR DOES NOT ENTIRELY DISAPPEAR	
IDENTIFICATION (FTIR)	SPECTRUM MATCHES REFERENCE	
CERTIFIED KOSHER		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		

<i>Corporate Headquarters:</i>	<i>West Coast Facility:</i>
769 Jersey Ave.	14422 S. San Pedro St.
New Brunswick, NJ 08901	Gardena, CA 90248
732.214.1300	310.516.8000