

Certification of Analysis

Product Name :	Antiseptic AI 70 % (Denatured Ethanol) Food Additive
CAS Number :	64-17-5
Chemical Formula :	C ₂ H ₆ O
Batch No :	A1XD210105SA
Manufacturing Date :	Feb 03, 2021
Expiry Date :	Feb 03, 2023
Analysis Date :	Feb 03, 2021
Tank Number	AA1
Total	300,000 LT

This is to certify that the product identified above had been sampled and analyzed according to the quality control programs of the manufacture. The results of these analyses are listed below.

Ethyl Alcohol Parameters	Limit	Result	Method
Assay	Min.70% (v/v) at 20 C	71.70%	AOAC 26.1.09
Density	0.859 - 0.885 at 20 C	0.879	AOAC 26.1.09
Description	Clear colorless mobile liquid With a mild characteristic odour;flammable	Conforms	
Boiling Point	78 C	Conforms	46 th JECFA (1996)
Solubility	Soluble in water	Conforms	46 th JECFA (1996)
Non-volatile residue	Not more than 2 mg/100 ml	0.1 mg./100 ml	46 th JECFA (1996)
Acidity	Not more than 0.005% w/ v as acetic acid	0.00045%	46 th JECFA (1996)
Alkalinity	Not more than 0.003% as ammonia	0.00026%	46 th JECFA (1996)
Fusel Oil	To pass test	Passed test	46 th JECFA (1996)
Readily carbonizable substances	To pass test	Passed test	46 th JECFA (1996)
Readily oxidation substances	To pass test	Passed test	46 th JECFA (1996)
Ketone and other alcohols	Total:Not more than 0.5%		46 th JECFA (1996) (GC)
-Methanol	Not more than 0.02%	0.0011%	
-Acetone	To pass test	passed test	TIS 640-2545 (9.9)
-Amyl Alcohol	To pass test	passed test	TIS 640-2545 (9.8)
Volatile impurities			
-Methanol	Not more than 0.02%	0.0011%	BP.2009 (GC Method)
-Acetaldehyde	Not more than 0.001%	0.00064%	BP.2009 (GC Method)
-Benzene	Not more than 0.0002%	Not detect	BP.2009 (GC Method)
-Total of other impurities	Not more than 0.03%	0.01%	BP.2009 (GC Method)
Absorbance	Examine 235-340 nm.,in a 5 cm.cell		
-at 240 nm.	Not more than 0.40 Abs	0.317 Abs	Ph.Eur.2.2.25
-between 250-260 nm.	Not more than 0.30 Abs	0.125-0.068 Abs	Ph.Eur.2.2.25
-between 270-340 nm.	Not more than 0.10 Abs	0.044-0.012 Abs	Ph.Eur.2.2.25

Adding IPA to make Antiseptic AI

IPA Min. 1kg./100 Ltd. (Approximately 1.2%)

The physical or chemical properties of product **Antiseptic AI** represent typical, average values obtained in accordance with generally accepted test methods and are subjected to normal manufacturing variations. This Certification of Analysis is supplied as a technical service and is subjected to change without any notice.

For important Health & Safety information, please refer to the manufacturer's MSDS.