

SYSTEM

Specification

PRODUCT NAME : Ethyl Alcohol 99.8%(V/V), *Undenatured, ChemAR*
(Ethanol Absolute)
CATALOGUE NUMBER : ET150-50
FORMULA : C₂H₅OH
MOLECULAR WEIGHT : 46.07
CAS. NUMBER : [64-17-5]

MDG class: 3.2 UN No :1170 Packaging group : II

HAZARD STATEMENT:

H225

PRECAUTIONARY STATEMENT:

P210,P243,P280

Risiko (Risks):R11

Keselamatan (Safety):S7,S16

	<u>Specification</u>	
Assay(GC)	min.99.8(V/V)	%
Water(H ₂ O)	max.0.2	%
Identity IR Spectrum	passes	test
Acidity(as CH ₃ COOH)	max.0.001	%
Density 20/4 ^o	0.789-----	0.790
Insoluble matter in water	passes	test
Alkalinity(as NH ₃)	max.0.0003	%
Non-volatile matter	max.0.0005	%
Aldehydes and Ketones	max.0.005	%
Furfuraldehyde(C ₅ H ₄ O ₂)	max.0.001	%
Fused oil	passes	test
Acetone(GC)	max.0.001	%
Iso-amyl alcohol(GC)	max.0.05	%
Sec-butyl alcohol(GC)	max.0.02	%
Methanol(GC)	max.0.02	%
2-Propanol(GC)	max.0.02	%
Butanone(GC)	max.0.003	%
Reducing matter by KMnO ₄	passes	test
Substances darkened by H ₂ SO ₄	passes	test
Cadmium(Cd)	max.0.000005	%
Calcium(Ca)	max.0.00005	%
Chromium(Cr)	max.0.000002	%
Cobalt(Co)	max.0.000002	%
Copper(Cu)	max.0.00001	%
Iron(Fe)	max.0.00001	%
Lead(Pb)	max.0.00001	%
Magnesium(Mg)	max.0.00001	%
Manganese(Mn)	max.0.000002	%
Nickel(Ni)	max.0.000002	%
Zinc(Zn)	max.0.00001	%
Wt/ml at 20 ^o C	0.79g	
Melting point:	-117 ^o C	
Boiling point:	79 ^o C	
Description	A clear colorless liquid, free from suspended matter.	



This document has been produced electronically and is valid without a signature.