

SYSTEM

Certificate Of Analysis

PRODUCT NAME : Diethyl Ether, *ChemAR*[®]
CATALOGUE NUMBER : DI352-50
FORMULA : C₄H₁₀O
MOLECULAR WEIGHT : 74.12
CAS. NUMBER : [60-29-7]
BATCH NO. : 170207WLSC
EXPIRY DATE : Feb./2020

	<u>Specification</u>	<u>Batch Value</u>
Assay(GC)	min.99.5 %	99.8 %
Identity(IR)	passes test	pass
Density 20/4°	0.713-----0.715	pass
APHA	10 Hazen	<10
Non-volatile matter	max.0.001 %	<0.001 %
Acetone(GC)	max.0.005 %	<0.005 %
Ethanol(GC)	max.0.05 %	<0.05 %
Methanol(GC)	max.0.02 %	<0.02 %
Darken substances by H ₂ SO ₄	passes test	pass
Acidity(as CH ₃ COOH)	max.0.0002meq/g	pass
Aldehyde(as CH ₃ CHO)	max.0.001 %	<0.001 %
Peroxide(asH ₂ O ₂)	max.0.000015 %	<0.000015 %
Water(H ₂ O)	max.0.01 %	<0.01 %
Cadmium(Cd)	max.0.000005 %	<0.000005 %
Calcium(Ca)	max.0.00005 %	<0.00005 %
Cobalt(Co)	max.0.000002 %	<0.000002 %
Chromium(Cr)	max.0.000002 %	<0.000002 %
Copper(Cu)	max.0.000002 %	<0.000002 %
Iron(Fe)	max.0.00001 %	<0.00001 %
Lead(Pb)	max.0.00001 %	<0.00001 %
Magnesium(Mg)	max.0.00001 %	<0.00001 %
Manganese(Mn)	max.0.000002 %	<0.000002 %
Nickel(Ni)	max.0.000002 %	<0.000002 %
Zinc(Zn)	max.0.00001 %	<0.00001 %
Wt/ml at 20°C	0.71g	pass
Melting point:	-116°C	pass
Boiling Point:	34°C	pass

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