

# SYSTEM

## Certificate of Analysis

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PRODUCT NAME : Acetic Acid glacial, *ChemAR*  
CATALOGUE NUMBER : AC045-70  
FORMULA : CH<sub>3</sub>COOH  
MOLECULAR WEIGHT : 60.05  
CAS. NUMBER : [64-19-7]  
BATCH NUMBER : 160217ENG  
EXPIRY DATE : Feb./2019

	<u>Specification</u>	<u>Batch Value</u>
Assay(acidimetry)	min.99.5 %	99.8 %
Calcium(Ca)	max.0.0001 %	<0.0001 %
Chromium(Cr)	max.0.00002 %	<0.00002 %
Copper(Cu)	max.0.000002 %	<0.000002 %
Iron(Fe)	max.0.00005 %	<0.00005 %
Lead(Pb)	max.0.000001 %	<0.000001 %
Magnesium(Mg)	max.0.000005 %	<0.000005 %
Nickel(Ni)	max.0.000002 %	<0.000002 %
Potassium(K)	max.0.00005 %	<0.00001 %
Sodium(Na)	max.0.0002 %	<0.00001 %
Zinc(Zn)	max.0.000005 %	<0.000005 %
Colour(Hazen)	max.10	<10 Hazen
Formic Acid(H.COOH)	max.0.05 %	<0.05 %
Oxygen absorbed from K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> (O)	max.0.005 %	<0.005 %
Water	max.0.15 %	<0.09 %
Acetic anhydride	max.0.2 %	<0.2 %
Aluminium(Al)	max.0.000001 %	<0.000001 %
Arsenic(As)	max.0.00002 %	<0.00002 %
Barium(Ba)	max.0.00001 %	<0.00001 %
Cadmium(Cd)	max.0.000005 %	<0.000005 %
Cobalt(Co)	max.0.000001 %	<0.000001 %
Litium(Li)	max.0.000001 %	<0.000001 %
Manganese(Mn)	max.0.000001 %	<0.000001 %
Mercury(Hg)	max.0.000001 %	<0.000001 %
Molybdenum(Mo)	max.0.000002 %	<0.000002 %
Silver(Ag)	max.0.000001 %	<0.000001 %
Strontium(Sr)	max.0.000001 %	<0.000001 %
Tin(Sn)	max.0.000001 %	<0.000001 %
Vanadium(V)	max.0.000001 %	<0.000001 %
Total Sulfur(S)	max.0.0001 %	<0.0001 %
Total Phosphorus(P)	max.0.0001 %	<0.0001 %
Total Chloride(Cl)	max.0.0001 %	<0.0001 %
Total Silicon(Si)	max.0.0001 %	<0.0001 %
Total Nitrogen(N)	max. 0.0002 %	<0.0002 %
Wt/ml at 20°C	1.049g	pass
Melting point	17°C	pass
Flash point	42°C	pass
Boiling point	117.5°C	pass



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