

# SYSTEM

## Certificate Of Analysis

PRODUCT NAME : Acetone, ChemAR<sup>®</sup>  
CATALOGUE NUMBER : AC100-50  
FORMULA : C<sub>3</sub>H<sub>6</sub>O  
MOLECULAR WEIGHT : 58.08  
CAS. NUMBER : [67-64-1]  
BATCH NUMBER : 161110JL  
EXPIRY DATE : Nov./2019

	<b><u>Specification</u></b>	<b><u>Batch Value</u></b>
Assay(GC)	min.99.5 %	99.5 %
Identity IR spectrum	passes test	pass
Colour(APHA)	max.10	<10
2-Propanol	max.0.05 %	<0.05 %
Ethanol(GC)	max.0.01 %	<0.01 %
Methanol(GC)	max.0.05 %	<0.05 %
Water	max.0.2 %	<0.2 %
Aluminium(Al)	max.0.00005 %	<0.00005 %
Boron(B)	max.0.000002 %	<0.000002 %
Barium(Ba)	max.0.00001 %	<0.00001 %
Calcium(Ca)	max.0.00005 %	<0.00005 %
Cadmium(Cd)	max.0.000005 %	<0.000005 %
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 %
Magnesium(Mg)	max.0.00001 %	<0.00001 %
Manganese(Mn)	max.0.000002 %	<0.000002 %
Lead(Pb)	max.0.00001 %	<0.000005 %
Nickel(Ni)	max.0.000002 %	<0.000002 %
Tin(Sn)	max.0.00001 %	<0.00001 %
Zinc(Zn)	max.0.00001 %	<0.00001 %
Residue on evaporation	max.0.001 %	<0.0001 %
Aldehyde(asH <sub>2</sub> CO)	max.0.01 %	<0.01 %
Non-volatile matter	max.0.0005 %	<0.0005 %
Free acid(as CH <sub>3</sub> COOH)	max.0.002 %	<0.002 %
Free Alkali(asNH <sub>3</sub> )	max.0.001 %	<0.001 %
Substances reducing KMnO <sub>4</sub>	max.0.00025 %	<0.00025 %
Wt/ml at 20°C	0.791g	pass
Melting point:	-95°C	pass
Boiling point:	56°C	pass

Confirms to ACS, Reagent.

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