

CERTIFICATE OF ANALYSIS

Product Name: ACETONE AR/ACS

Code no. : ACE1000

CAS no. : 67-64-1

Lot no. : B177441511

Mfg date: NOV-2015

Exp date: OCT-2020

Analyzed on: 03/11/15

<u>Sr.</u> <u>no.</u>	Tests	Specifications	Results
1	Description	Clear colourless liquid with characteristics odour	Clear colourless liquid with characteristics odour
2	IR Spectrum	Confirms to structure	Confirms to structure
3	Colour	Max. 10 APHA	<10 APHA
4	Solubility	Miscible with water	Miscible with water
5	Assay (GC)	Min. 99.5%	99.96%
6	Wt / ml at 20°C	0.789 - 0.791 g	0.789 g
7	Acidity (as CH ₃ COOH)	Max. 0.0003 meq/g	0.00026 meq/g
8	Alkalinity	Max. 0.0006 meq/g	Nil
9	Residue on evaporation	Max. 0.0005%	0.0001%
10	Aldehyde (as HCHO)	Max. 0.05%	<0.05%
11	Methanol (CH ₃ OH)	Max. 0.05%	0.04%
12	2-Propanol	Max. 0.05%	<0.05%
13	Water	Max. 0.2%	0.15%
14	Substance reducing permanganate (O)	Max. 0.0002% (passes ACS test)	<0.0002%
15	Refractive index	1.3580 - 1.3600	1.3580

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