

CERTIFICATE OF ANALYSIS

Product Name : Acetic Acid Glacial
 Batch No. :
 Formula : CH₃COOH
 Cas No : 64-19-7
 Date Of Analysis : January 02,2015

NO.	ITEM TEST	UNITS	METHOD	SPECIFICATION	RESULT
1.	Appearance	–	Visual	Clear and free of suspended matter	Clear and free of suspended matter
2.	Color	Hazen	ASTM D-1209-05	max 10	5
3.	Specific Gravity at 20 °C	–	ASTM D-4052-96	1.048 – 1.053	1.0495
4.	Acetic Acid	wt %	Acidimetric	min 99.85	99.88
5.	Water Content	wt %	ASTM D-1364-02	max 0.15	0.061
6.	Freezing Point	°C	ASTM D-6875-08	min 16.35	16.40
7.	Permanganate Time	minute	ACS Method	min 120	> 120
8.	Non-volatile matter	wt %	ASTM D-1353-03	max 0.003	< 0.001
9.	Formic Acid	wt %	ASTM D-3546-05	max 0.05	0.01
10.	Acetaldehyde	wt %	ASTM D-2191-06	max 0.005	0.000004
11.	Chlorides (Cl)	ppm	ACS Method	max 1.0	< 1.0
12.	Sulfates (SO ₄)	ppm	ACS Method	max 1.0	< 1.0
13.	Iron (Fe)	ppm	ASTM D-394-00	max 0.5	0.2
14.	Heavy metals (as Pb)	ppm	ACS Method	max 0.5	< 0.5
15.	Sulfurous acid	ppm	ACS Method	max 1.0	< 1.0
16.	Distillation Range (including 118.1 °C)	°C	ASTM D-1078-05	max 1.0	0.4

Remark :
 Manufacturer : Mitsui Acid Co (Asia Pacific) Pte.Ltd
 This Certificate refers to COA maker

PT..Pancasakti Putra Kencana



SUDIRO S.Si.
 Quality Control