

CERTIFICATE OF ANALYSIS

PRODUCT NAME : Acetic acid glacial

GRADE : GR

CAS NO. : [64-19-7]

LOT NO. : A3237ME

Molecular formula : CH₃COOH

CATALOG NO. : 49.63.0009

Store Temperature : 1~30°C

TEST ITEM	SPECIFICATION	TEST RESULT
Assay	above 99.7 %	99.9 %
Solubility in water	passes test	passes test
Freezing point	above 15.5 °C	16.0 °C
Moisture	below 0.3 %	0.1 %
Non-volatile matters	below 0.001 %	below 0.001 %
Chloride(Cl)	below 1.0 ppm	below 1.0 ppm
Sulfate	below 1.0 ppm	below 1.0 ppm
Copper(Cu)	below 0.5 ppm	below 0.5 ppm
Lead(Pb)	below 0.5 ppm	below 0.5 ppm
Iron(Fe)	below 0.5 ppm	below 0.5 ppm
Acetic anhydride	below 0.1 %	below 0.1 %
Substances reducing permanganate(as C	passes test	passes test
Appearance : Clear, colorless liquid.		<u>PASSES TEST</u>
Identification : It responds to the tests for Acetate<191>		<u>PASSES TEST</u>
Boiling point : 117~118 °C		Density : 1.049

Test Method : JIS K 8355

Test Date : May 09, 2012

Tested by : Cha Hae Kyung



Conclusion : PASS

Delivery Date : Jun 05, 2012

Certified by : Lee Woo Young

