



KOREA ALCOHOL INDUSTRIAL CO., LTD.

Certificate of Analysis

Product Name		Ethyl Acetate			
Analyzed Date		2016.02.02		Lot No.	ETAC-160202-1306 (FB-361E)
Customer				Quantity	25 MT
Test Item		Unit	Specification Range	Test Result	Test Method
Appearance			Clear and free from matter in suspension	Pass	K-TSD-P-04 6.1항
Purity		Wt %	Min. 99.8	99.87	K-TSD-P-04 6.4항
Specific Gravity(20/4°C)			0.900 - 0.903	0.902	K-TSD-P-04 6.3항
Distillation Test (at 1 atm.)	I.B.P	°C	Min. 76.5	76.6	K-TSD-P-04 6.5항
	D.P	°C	Max. 78.0	77.4	
Acidity (as CH ₃ COOH)		wt'ppm	Max. 10	7	K-TSD-P-04 6.6항
Water		wt'ppm	Max. 300	60	K-TSD-P-04 6.7항
Residue of Evaporation		wt'ppm	Max. 20	5	K-TSD-P-04 6.8항
Color		APHA NO	Max. 10	3	K-TSD-P-04 6.9항
Odor			Characteristic	Pass	K-TSD-P-04 6.2항
Alcohol(Ethanol+Butanol)		wt'ppm	Max. 400	282	K-TSD-P-04 6.10항
Crotonaldehyde		wt'ppm	Max. 20	1	K-TSD-P-04 6.10항
Butanal		wt'ppm	N/A	60	K-TSD-P-04 6.10항

I certify the above statement of quality to be true and correct.

Approved by Quality Manager 

KOREA ALCOHOL INDUSTRIAL CO., LTD.

FKTSDP01-01A