



LG Twin Tower 20
Yoido-dong, Youngdungpo-gu
Seoul 150-721, Korea

CERTIFICATE OF ANALYSIS

CUSTOMER		PRODUCT	IPA (Isopropyl Alcohol)	
LOT NO.		QUANTITY (TON)	DELIVERY DATE	
SHIPMENT NO				

Typical Value

PROPERTY	TEST METHOD	UNIT	SPEC	RESULT
Purity	Gas Chro.	wt%	Min 99.8	99.99
Color	ASTM D1209	APHA	Max 5	3
Water	ASTM D1364	wt%	Max 0.05	0.005
Sp.Gr	ASTM D1298	20/20°C	0.785~0.787	0.786
Acidity	ASTM D1613	wt ppm	Max 10	3
Kmno4 Test	ASTM D1363	MIN	MIN 30	40
Residue After Evaporation	ASTM D1353	wt ppm	Max 15	5

I Certify The Above Statement Of Quality To Be True And Correct

Approved by: S. K. Oh
Q.A Manager