

## 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. H. Oh*  
  
**Q.A Manager**