

## CERTIFICATE OF ANALYSIS

Product: **METHACRYLIC ACID  
INDUSTRIAL GRADE**

Specification			
Item	Unit	Spec	Value
Purity	Wt %	99.5 Min	99.94
Color (APHA)	-	20 Max	4
Water	ppm	500 Max	230
Inhibitor (MEHQ)	ppm	200 ± 20	205
*MEHQ: hydroquinone monomethyl ether			
Properties			
Item	Unit	Value	
Molecular weight	g/mol	86.09	
Chemical formula	-	CH <sub>2</sub> =C(CH <sub>3</sub> )COOH	
Specific gravity at 20 °C	g/cm <sup>3</sup>	1.014	
Boiling point	°C	161	
Freezing point	°C	15	
Heat of polymerization	Kcal/kg	184	
Solubility (water)	g/100g	Total miscible above 16°C	
Flash point (closed cup)	°C	67	
Auto-ignition point	°C	77	
Limits of flammability	°C	435	
Molecular weight	vol %	1.6-8.7	
Chemical formula	cP	1.25	

الظل الفضي الدولية ش.م.م.  
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