

i-BMA (i-Butyl methacrylate)

Specification

Item	Unit	Spec	Value
Purity	wt %	99.0 Min.	99.5
Color (APHA)	-	20 Max.	3
Water	ppm	500 Max.	190
Acid (as MAA)	ppm	50 Max.	5
Inhibitor (MEHQ)	ppm	10 ± 2	10

* MEHQ : hydroquinone monomethyl ether

Properties

Properties	Unit	Value
Molecular weight	g/mol	142.2
Chemical formula	-	$\text{CH}_2=\text{C}(\text{CH}_3)\text{COOCH}_2\text{CH}(\text{CH}_3)_2$
Specific gravity	g/cm ³	0.879~0.885
Boiling point	°C	155
Freezing point	°C	-48
Heat of polymerization	kcal/kg	96
Solubility (water)	g/100g	0.4
Flash point (closed cup)	°C	49
Auto-ignition point	°C	390
Limits of flammability	vol %	1.0~8.0

REMARKS : The listed values should be used for reference purpose only.