

TECHNICAL SPECIFICATION

ACRYLIC ACID GLACIAL

Chemical nature :- $C_3H_4O_2 \cdot OH$

CAS No- 79-10-7

EINECS-No:- 201-177-9

PROPERTY	VALUE	RESULT
Assay (Gas chromatography)	%	99.5 (min.)
Water content (ASTM E 203)	%	DIN 51777, Part 1
Diacrylic acid content on despatch	%	DIN ISO 6271
Color on despatch	-	20 (max.)
(APHA, ASTM D 1209)	-	200 + 20
Standard stabilization (ASTM D 3125)	ppm MEHQ	200 + 20
Appearance	-	clear, colorless
Physical form	-	liquid at $>13^{\circ}C$
Odor	-	Pungent
Density at $25^{\circ}C$	g/cm ³	1.046
Refractive index nd at $20^{\circ}C$	-	1.418-1.422
Boiling point $^{\circ}C$ 141	$^{\circ}C$	141
Freezing point	$^{\circ}C$	ca. 13
Viscosity @ $20^{\circ}C$	mPa•s	1.3
Viscosity @ $20^{\circ}C$	kJ/kg $^{\circ}C$	2.05
Heat of evaporation at boiling point	kJ/kg $^{\circ}C$	634
Heat of polymerization	kJ/kg $^{\circ}C$	1079
Heat of combustion at $25^{\circ}C$	kJ/kg $^{\circ}C$	19085
Vapor pressure at $20^{\circ}C$	mbar	3.8