

Typical Product Specifications & Properties

2-methyl-2-pentenoic acid

CAS Number: : 3142-72-1

Specifications	Limits
Density	0.979
Slightly Soluble	in water
Appearance	colorless to pale yellow liquid to crystalline solid
Assay	98.00 to 100.00 %
Refractive Index	1.45700 to 1.46200 @ 20.00 °C
Vapor Density	>1
Storage	refrigerate in tightly sealed containers
Pounds/Gallon	8.138 to 8.205
Shelf Life	12 month(s) or longer if stored properly
Odor Type	acidic
Melting Point	24.00 to 26.00 °C. @ 760.00 mm Hg
Boiling Point	112.00 °C. @ 12.00 mm Hg

Specifications	Limits
Vapor Pressure	0.055400 mm/Hg @ 25.00 °C
Flash Point	226.00 °F.TCC
logP (o/w)	1.89
Odor	Sour, acidic, sweaty and fruity with a jammy, woody nuance
Taste	Sour, acidic, sweaty, berry- and fruit-like
Specific gravity	0.97800 to 0.98600 @ 25.00 °C
Boiling Point	123.00 to 125.00 °C. @ 30.00 mm Hg
Molecular weight	114.14
Chemical Structure	 The chemical structure shows a five-carbon chain with a carboxylic acid group at one end and a methyl branch on the fourth carbon. The Parchem logo, consisting of two interlocking circles, is positioned above the structure. Below the structure, the word 'parchem' is written in a stylized font, followed by the tagline 'fine & specialty chemicals'.