

Typical Product Specifications & Properties

undecanal

CAS Number: : 112-44-7

Specifications	Limits
Density	0.825
Assay	92.00 to 100.00 %
Specific gravity	0.82500 to 0.83300 @ 25.00 °C
Refractive Index	1.43000 to 1.43400 @ 20.00 °C
Vapor Pressure	0.083200 mm/Hg @ 25.00 °C
Vapor Density	5.94
Odor Type	aldehydic
Odor	waxy soapy floral aldehydic citrus green fatty fresh laundry
Appearance	colorless to pale yellow clear liquid
Melting Point	-3.00 to -1.00 °C. @ 760.00 mm Hg
Acid Value	10.00 max. KOH/g
Flash Point	205.00 °F.TCC

Specifications	Limits
logP (o/w)	4.63
Additional Assay Information	2-methyldecanal: 3% - 8%
Pounds/Gallon	6.865 to 6.931
Boiling Point	109.00 to 115.00 °C. @ 5.00 mm Hg
Boiling Point	223.00 °C. @ 760.00 mm Hg
Taste	Waxy, aldehydic, soapy with a citrus note and slight laundry detergent nuance
Insolubility	in water
Molecular weight	170.30
Color	colorless to slightly yellow liquid
Solubility	most common org. solvs., fixed oils, propylene glycol, alcohol
Chemical Structure	