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Typical Product Specifications & Properties

Benzaldehyde

CAS Number: : 100-52-7

Specifications	Limits
Slightly Soluble	in water
Very Soluble	in alcohol, ether, benzene, acetone, petrol. ether, conc. sulfuric acid, liq. co2, liq. ammonia
Appearance	colorless to pale yellow clear liquid
Assay	98.00 to 100.00 %
Specific gravity	1.04100 to 1.04600 @ 25.00 °C
Refractive Index	1.54400 to 1.54600 @ 20.00 °C
Melting Point	-26.00 to -25.00 °C. @ 760.00 mm Hg
Boiling Point	178.00 to 179.00 °C. @ 760.00 mm Hg
pH	5.90
Vapor Density	3.7
Flash Point	145.00 °F.TCC
Storage	store in cool, dry place in tightly sealed containers, protected from heat and light.



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Specifications	Limits
Taste	Sweet, oily, almond, cherry, nutty and woody
Vapor Pressure	1.270000 mm/Hg @ 25.00 °C
logP (o/w)	1.48
Storage	store under nitrogen
Odor	almond, fruity, powdery, nutty and benzaldehyde-like
Odor Type	fruity
Halogens	passes test for chlornated compounds
Pounds/Gallon	8.662 to 8.704
Boiling Point	62.00 to 63.00 °C. @ 10.00 mm Hg
Acid Value	5.00 max. KOH/g
Shelf Life	18 month(s) or longer if stored properly
Molecular weight	106.13



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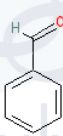
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Specifications	Limits
Color	colorless to yellow oily liquid

Specifications	Limits
Chemical Structure	 



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