


## Typical Product Specifications & Properties

# Acetoin

CAS Number: : 513-86-0

Specifications	Limits
Density	1.016
Slightly Soluble	in ether
Assay	96.00 to 100.00 %
Pounds/Gallon	8.279 to 8.479
Boiling Point	147.00 to 148.00 °C. @ 760.00 mm Hg
Vapor Pressure	2.690000 mm/Hg @ 25.00 °C
Vapor Density	3.0
Flash Point	113.00 °F.TCC
logP (o/w)	-0.36
Odor	Buttery, sweet, creamy, dairy like with milky fatty nuances
Specific gravity	0.99500 to 1.01900 @ 25.00 °C
Storage	refrigerate in tightly sealed containers

Specifications	Limits
Odor Type	buttery
Taste	Creamy, dairy, sweet, buttery, oily and milky
Appearance	colorless to pale yellow liquid to solid
Melting Point	90.00 to 91.00 °C. @ 760.00 mm Hg
Shelf Life	12 month(s) or longer if stored properly
Refractive Index	1.41700 to 1.42200 @ 20.00 °C
Insolubility	in veg. oil
Molecular weight	88.12
Color	colorless to slightly yellow liquid or crystal solid
Solubility	ethanol
Chemical Structure	 <p>The chemical structure shows a four-membered lactone ring with a methyl group attached to the carbon atom adjacent to the oxygen. The oxygen atom is bonded to a hydrogen atom, forming a hydroxyl group. The structure is labeled with 'H-O' and 'O'.</p> <p><b>parchem</b> fine &amp; specialty chemicals</p>