

 synerzine ™	Title:	C1056 Product Specification		
	Document #:	02-1006	Rev #:	003
	Status:	ACTIVE	Date Issued:	10/19/2020

Product Identifiers

Product Name:	5 AND 6-DECENOIC ACID
---------------	-----------------------

Synerzine Item #	C1056	CAS #	72881-27-7	FEMA #	3742
------------------	--------------	-------	------------	--------	------

Material Properties

Molecular Formula	C10H18O2	Flash Point (°F, CC)	176
Molecular Weight	170.28	Boiling Point	210°C/ 5mm Hg
Shelf Life (days)	730	Physical State	Liquid

Solubility	Insoluble in water; soluble in alcohols.
Storage and Stability	Store in fully closed container in cool (~20°C) dry place.
Handling Precautions	Avoid contact of eyes and skin. In case of contact, flush copiously with water. Keep away from heat and flame.

Specified Critical Limits

Critical Property	Test Method	UOM	Lower Limit	Upper Limit
Color	Visual Analysis	None	Colorless	Pale Yellow
Odor	Organoleptic Analysis	None	Milk, cheese	
Chemical Purity	Gas Chromatography	% Isomeric Sum	90.0%	100.0%
Density	Density Analysis	g/cm ³ @ 20°C	0.916	0.943
Refractive Index	Refractometric Analysis	nD20	1.445	1.455

Notes

Also known as MILK LACTONE.
 * Typical: 90% (consisting of 35-45% cis and trans-5-decenoic acid;
 40-50% cis and trans-6-decenoic acid);
 10-15% other decenoic acids

This specification was generated electronically, and is therefore unsigned.

Synerzine
 Quality Control Dept.

Date Printed: 6/26/2021