

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	W0435 Product Specification		
	<b>Document #:</b>	02-1006	<b>Rev #:</b>	001
	<b>Status:</b>	ACTIVE	<b>Date Issued:</b>	09/27/2019

**Product Identifiers**

Product Name:	4,5-DIMETHYL-3-HYDROXY-2,5-DIHYDROFURAN-2-ONE , 3% IN P.G.
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Synerzine Item #	<b>W0435</b>	CAS #	28664-35-9	FEMA #	3634
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**Material Properties**

Molecular Formula	C6H8O3	Flash Point (°F, CC)	>230
Molecular Weight	128.13	Boiling Point	N/A (Very high)
Shelf Life (days)	730	Physical State	Liquid

Solubility	Soluble 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	Crude sugar, caramel, meaty, sweet	
Chemical Purity	Gas Chromatography	%	3.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	1.040	1.050
Refractive Index	Refractometric Analysis	nD20	1.430	1.440

**Notes**

Also known as sugar lactone; caramel furanone; fenugreek lactone; 4,5-dimethyl-3-hydroxy-2(5h)-furanone

*This specification was generated electronically, and is therefore unsigned.*

**Synerzine**  
Quality Control Dept.

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