

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	W04321 Product Specification		
	<b>Document #:</b>	02-1006	<b>Rev #:</b>	001
	<b>Status:</b>	ACTIVE	<b>Date Issued:</b>	09/15/2017

**Product Identifiers**

Product Name:	4-HYDROXY-5-METHYL-3(2H)FURANONE
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Synerzine Item #	<b>W04321</b>	CAS #	19322-27-1	FEMA #	3635
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**Material Properties**

Molecular Formula	C5H6O3	Flash Point (°F, CC)	175
Molecular Weight	114.1	Boiling Point	215-219°C @ STP
Shelf Life (days)	730	Physical State	Solid

Solubility	Soluble in water. Soluble in acetone upon heat and agitation.
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	Pale yellow	Brown
Odor	Organoleptic Analysis	None	Fruity, roast bread, caramel, jam	
Chemical Purity	Gas Chromatography	%	97.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ N/A°C	N/A	N/A
Refractive Index	Refractometric Analysis	nD20	N/A	N/A

**Notes**

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

**Synerzine**  
Quality Control Dept.

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