TM	Title:	W0564-98 Product Specification			
synerzine	Document #:	02-1006	Rev #:	001	
	Status:	ACTIVE	Date Issued:	01/11/2024	

## **Product Identifiers**

Product Name:	2-ETHYL-4-HYDROXY-5-METHYL-3(2H)-FURANONE, 98%
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Synerzine Item #	W0564-98		CAS#	ISOMERS *		FEMA#	3D/3
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## **Material Properties**

Molecular Formula	C7H10O3	Flash Point (°F, CC)	>200	
Molecular Weight 142.15		Boiling Point	248°C	
Shelf Life (days) 730		Physical State	Liquid	

Solubility	Soluble in water; insoluble in fats.
Storage and Stability	Store in fully closed container in cool (~20°C) dry place. Store under nitrogen blanket and refrigerate.
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	Color Visual Analysis		Pale yellow	Amber
Odor	Organoleptic Analysis	None	Sweet, fruity, caramel, butterscotch, maltol	
Chemical Purity	Gas Chromatography	%	98.0%	100.0%
Density	Density Analysis	g/cm³ @ 20°C	1.130	1.143
Refractive Index	Refractometric Analysis	nD20	1.500	1.520

## Notes

\*CAS # 27538-10-9 for 2-ethyl-4-hydroxy-5-methyl-3(2H)fura \*CAS # 27538-09-6 for 2-methyl-4-hydroxy-5-ethyl-3(2H)fura

>> A 20% version in P.G. is also offered under CTC code W0564 <<

This specification was generated electronically, and is therefore unsigned.

**Synerzine** 

**Quality Control Dept.** Date Printed: 1/11/2024