

 synerzine TM	Title:	W0569N Product Specification		
	Document #:	02-1006	Rev #:	000
	Status:	ACTIVE	Date Issued:	06/21/2013

Product Identifiers

Product Name:	5-ETHYL-3-HYDROXY-4-METHYL-2(5H)-FURANONE, NATURAL
---------------	--

Synerzine Item #	W0569N	CAS #	698-10-2	FEMA #	3153
------------------	---------------	-------	----------	--------	------

Material Properties

Molecular Formula	C7H10O3	Flash Point (°F, CC)	201
Molecular Weight	142.15	Boiling Point	103°C @ 0.5 mm Hg
Shelf Life (days)	730	Physical State	Liquid

Solubility	Soluble in organic solvents Water solubility: 74.4 g/L @ 25°C
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	Pale yellow
Odor	Organoleptic Analysis	None	Sweet, maple, caramel	
Chemical Purity	Gas Chromatography	%	97.0%	100.0%
Density	Density Analysis	g/cm ³ @ 20°C	1.130	1.150
Refractive Index	Refractometric Analysis	nD20	1.486	1.493

Notes

Also known as:
 Natural Ethyl Fenugreek Lactone
 Natural Maple Fura
 Melting point: 27-35°C

This specification was generated electronically, and is therefore unsigned.

Synerzine

Quality Control Dept.

Date Printed: 6/26/2021