



# Finished Product Data Sheet

Issue Date: May 5, 2009  
 Revision Date: July 21, 2013  
 Supersedes: July 25, 2012  
 Approval: DB, KB, SZ

Document: V014

Product: 5% (50 Grain) Red Wine Vinegar

## 01 Product Description:

5% (50 Grain) Red Wine Vinegar is made by the alcoholic fermentation and subsequent acetous fermentation of the juice of grapes or wine stock, adjusted with water to the specified strength.

## 02 General Requirements:

- 0201 All U.S. deliveries shall conform in every respect to the applicable provisions of the U.S. Federal Food, Drug and Cosmetic Act as amended.
- 0202 Material and workmanship shall be of good quality and the product shall be prepared in accordance with Federal Good Manufacturing Practices

## 03 Ingredient Statement

- 0301 Red Wine Vinegar (diluted with water to 5% acidity), Potassium Metabisulfite (a preservative)

## 04 Analytical Properties:

Property	Criteria	Min	Target	Max	UOM	Method	
0401 Grain	% acetic acid x 10	50.0	50.5	51.0	g/L	titration	AOAC 942.15
0402 Acidity	as acetic acid	5.00	5.05	5.10	% w/v	titration	AOAC 942.15
0403 Residual Alcohol	single strength			0.5	% v/v		
0404 Iron	reference			2.0	ppm		
0405 Copper	reference			1.0	ppm		
0406 Heavy Metals	reference			1.0	ppm		
0407 Color	at bottling, at 520 nm	0.70	0.775	0.85	Abs	spectrophotometer	
0408 Sulfites				130	ppm		

## 05 Physical Properties

Property	Target	Method
0501 Appearance	Bright medium red, practically clear, free from cloudiness.	Visual
0502 Flavor/Odor	Clean, red wine note and characteristic (acidic), free from foreign flavor or aroma.	Organoleptic
0503 Extraneous Matter	None: free from sediment, floating particles, vinegar mother, vinegar eels, insect fragments, or other foreign material.	Visual

## 06 Microbiological Properties

Property	Criteria	Max	UOM	Method Reference
0601 No Pathogens				

## 07 Dietary Certificates:

Type	Mizkan Statement	3rd Party Certified	Comments
0701 Kosher	No	No	
0702 Organic	No	No	



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## 08 Packaging, Storage and Shelf Life

<u>Size</u>	<u>UOM</u>	<u>Package Type</u>	<u>Storage Conditions</u>	<u>Minimum Temp</u>	<u>Maximum Temp</u>	<u>Shelf Life* Months</u>	<u>Shelf Life* Days</u>
12.7	fl oz	Glass	Ambient	33°F (1°C)	90°F (32°C)	24	730
16, 32	fl oz	PET	Ambient	33°F (1°C)	90°F (32°C)	24	730
16, 32, 64, 128	fl oz	HDPE	Ambient	33°F (1°C)	90°F (32°C)	24	730

## 09 Notes

### Notes

0901 Relates to Mizkan item #s: Retail and Food Service 5% Red Wine Vgr