



Finished Product Data Sheet

Issue Date: July 28, 2008
 Revision Date: February 23, 2016
 Supersedes: September 3, 2012
 Approval: EZ, SJB, DB

Document: V001

Product: 4% White Distilled Vinegar

01 Product Description:

4% (40 Grain) White Distilled Vinegar is the product obtained from the acetous fermentation of dilute distilled ethyl alcohol from corn, 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.
- 0203 No clarifiers or preservatives shall be present in the product.

03 Ingredient Statement

- 0301 White Distilled Vinegar (diluted with water to 4% acidity).

04 Analytical Properties:

	Property	Criteria	Min	Target	Max	UOM	Method
0401	Grain	% acetic acid x 10	40.0			g/L	titration AOAC 942.15
0402	Acidity	as acetic acid	4.0			% w/v	titration AOAC 942.15
0403	Residual Alcohol	single strength			0.5	% v/v	TCD, FID or NIR AOAC 973.23 modified
0404	Iron	reference			2.0	ppm	
0405	Copper	reference			1.0	ppm	
0406	Heavy Metals	reference			1.0	ppm	

05 Physical Properties

	Property	Target	Method
0501	Appearance	Clear, practically colorless, free from cloudiness.	Visual
0502	Flavor/Odor	Clean 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	Yes	Yes	This product is certified kosher, if listed on the LOC & label contains the OU symbol.
0702	Organic	No	No	
0703	Vegan	Yes	No	
0704	Vegetarian	Yes	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>
16, 32	fl oz	PET	Ambient	33°F (1°C)	90°F (32°C)	30	913
16, 32, 64, 128	fl oz	HDPE	Ambient	33°F (1°C)	90°F (32°C)	30	913

09 Notes

Notes

0901 Relates to Mizkan 4% White Distilled Vinegar items for Retail and Food Service.