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## RED WINE VINEGAR MATERIAL SPECIFICATIONS

### PRODUCT DESCRIPTION

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.

### GENERAL REQUIREMENTS

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.

Material and workmanship shall be of good quality and the product shall be prepared in accordance with Federal Good Manufacturing Practices under strictly sanitary conditions to minimize the possibility of contamination during product manufacturing.

No clarifiers or preservatives shall be present in the product.

Certificate of Analysis shall be furnished upon request.

### Analytical Requirements

Grain (% acid)	50.0 - 51.0
Residual alcohol (single strength)	0.5% maximum
Other chemical requirements	Iron: 2.0-PPM Max Copper: 1.0-PPM Max Heavy Metals: 1.0-PPM Max
Color (Absorbance @ 50 Grain (% acid) Bottling)	0.70A-0.85A @ 520NM
Sulfur dioxide (Sulfites)	120-PPM Max.

### Physical Requirements

Appearance	Bright medium red, practically clear, free from cloudiness.
Flavor/Odor	Clean, red wine note and characteristic (acidic), free from foreign flavor or aroma.
Extraneous matter	None: free from sediment, gloating particles, vinegar mother, vinegar eels, insect fragments or other foreign material.

**Microbiological requirements** No Pathogens

**Ingredient Statement** Red Wine Vinegar (diluted with water to 5 % acidity)  
Potassium (a preservative).

<b>Shelf Life</b>	<b>Drum</b>	<b>Tote</b>	<b>Bulk</b>
	6 mos.	6 mos.	2 mos.

This specification was developed with utmost care based on up-to-date information available, but should also be scrutinized by the recipient. It does not release him from checking the quality of goods delivered with proper diligence.

**PRODUCT: RED WINE VINEGAR**