



Woeber **MUSTARD** Manufacturing Company

P.O. Box 388 • 1966 Commerce Circle • Springfield, Ohio 45501

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Finished Product Specification

Product: Woeber's Pure Cider Vinegar – 5% acidity
Effective Date: January 17, 2017 **Reviewed:** February 07, 2023
Supersedes: August 22, 2011, November 08, 2013

A. General Specifications

1. This material is to be used as a food product and must comply with the requirements of the Federal Food, Drug, and Cosmetic Act as amended (including, but not limited to, the Food Additive Amendment of 1958).
2. G.R.A.S. Substance(s): If this food material contains any G.R.A.S. substance(s), this shall be documented by letter to the Buyer's procurement department as to which substance(s), at what level(s), and the purpose(s) for its usage.
3. The supplier must give written notice in advance of changes in the formulation or processing of this product if such changes affect: a) the labeling of the finished product under Federal law; b) its status under the Food Additives Regulation; c) its function under intended usage conditions.

B. Description

Woeber's Pure Apple Cider Vinegar is the product of alcoholic and subsequent acetous fermentations of the juice of apples. The alcohol is converted to acetic acid by the microorganism ACETEBACTOR ACETI. The product is prepared in accordance with the best commercial practice under strict sanitary conditions and the Federal guidelines for Good Manufacturing Practices; it is free of additives, clarifiers, preservatives, or other impurities.

Woeber's vinegar process is meticulously monitored to produce consistent high quality vinegar with unique characteristics of fine flavor and aroma.

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C. Physical Properties

Woeber's Pure Apple Cider Vinegar is a clear, bright, amber colored product, free from any pronounced foreign flavor or odor. The odor and flavor are clean, fruity, and characteristic of apple cider vinegar.

<u>Property *</u>	<u>Specification</u>
Color	Light to Medium Amber
Weight	8.45 lbs /Gallon @ 20 C

Chemical Properties

<u>Property *</u>	<u>Specification</u>
Grainage	50 Grain (5% acidity) Range- 48.5 Grain – 54.0 Grain
pH	2.6 – 3.1
Residual Alcohol	.5 proof, max
Copper	5.0 ppm, max
Iron	10 ppm, max
Lead	0.033 ppm, max

Microbial Specifications:

1. Standard Plate Count:	100/gram maximum
2. Coliforms:	< 10/gram
3. E. Coli:	< 10/gram
4. Yeast / Mold	<10/gram
5. Salmonella	Negative per 25 grams
Extraneous Matter	None visible to the naked eye.
Microscopic Matter	Negative for vinegar eels and insect fragments.

* When reduced to 40 Grain basis with distilled water.

GMO Status: This product does not contain Genetically Modified Organisms.

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Shelf-Life – 12 Months from the date of production stored at ambient temperatures.

Coding – Retail Sizes- Best By: 12 months from date of production.

Example – Best By: 01-17-20

Industrial Sizes – Date of production.

Example - 01-07-20 (date of production)

Lot = G3B 20007.2 Explanation – G3B = personnel identifier
20007 = last digits of year 2020
007 = Julian date of production
.2 = job number

Ingredient Statement – Pure Apple Cider Vinegar and Filtered Water.

Pack Size - PETE – 16 oz, 32 oz

HDPE – Gallon

55 Gallon Poly Drum

Tote- 275 Gal and 330 Gallon Corrugate

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