

Food Grade Statement
(PPS109, Rev. 1.7, 03/18, EF)

Ethyl Alcohol and Ethyl Alcohol products sold by Greenfield Global USA Inc. are suitable for materials and articles intended to come into contact with food and use in food and beverage applications as specified in following regulations:

1. US FDA Code of Federal Regulations:

- FDA PART 169 -- FOOD DRESSINGS AND FLAVORINGS Subpart B--Requirements for Specific Standardized Food Dressings and Flavorings Sec. 169.175 Vanilla extract.
- FDA PART 169 -- FOOD DRESSINGS AND FLAVORINGS Subpart B--Requirements for Specific Standardized Food Dressings and Flavorings Sec. 169.176 Concentrated vanilla extract.
- FDA PART 169 -- FOOD DRESSINGS AND FLAVORINGS Subpart B--Requirements for Specific Standardized Food Dressings and Flavorings Sec. 169.177 Vanilla flavoring.
- FDA PART 169 -- FOOD DRESSINGS AND FLAVORINGS Subpart B--Requirements for Specific Standardized Food Dressings and Flavorings Sec. 169.181 Vanilla-vanillin flavoring.
- FDA PART 172 -- FOOD ADDITIVES PERMITTED FOR DIRECT ADDITION TO FOOD FOR HUMAN CONSUMPTION Subpart D--Special Dietary and Nutritional Additives Sec. 172.340 Fish protein isolate.
- FDA PART 172 -- FOOD ADDITIVES PERMITTED FOR DIRECT ADDITION TO FOOD FOR HUMAN CONSUMPTION Subpart F--Flavoring Agents and Related Substances Sec. 172.560 Modified hop extract.
- FDA PART 172 -- FOOD ADDITIVES PERMITTED FOR DIRECT ADDITION TO FOOD FOR HUMAN CONSUMPTION Subpart F--Flavoring Agents and Related Substances Sec. 172.580 Safrole-free extract of sassafras.
- FDA PART 175 -- INDIRECT FOOD ADDITIVES: ADHESIVES AND COMPONENTS OF COATINGS Subpart B--Substances for Use Only as Components of Adhesives Sec. 175.105 Adhesives.
- FDA PART 176 -- INDIRECT FOOD ADDITIVES: PAPER AND PAPERBOARD COMPONENTS Subpart B--Substances for Use Only as Components of Paper and Paperboard Sec. 176.200 Defoaming agents used in coatings.
- FDA PART 177 -- INDIRECT FOOD ADDITIVES: POLYMERS Subpart B--Substances for Use as Basic Components of Single and Repeated Use Food Contact Sec. 177.1200 Cellophane.
- FDA PART 177 -- INDIRECT FOOD ADDITIVES: POLYMERS Subpart B--Substances for Use as Basic Components of Single and Repeated Use Food Contact Sec. 177.1650 Polysulfide polymer-polyepoxy resins.
- FDA PART 178 -- INDIRECT FOOD ADDITIVES: ADJUVANTS, PRODUCTION AIDS, AND SANITIZERS Subpart B--Substances Utilized To Control the Growth of Microorganisms Sec. 178.1010 Sanitizing solutions.
- FDA PART 184 -- DIRECT FOOD SUBSTANCES AFFIRMED AS GENERALLY RECOGNIZED AS SAFE Subpart B--Listing of Specific Substances Affirmed as GRAS Sec. 184.1293 Ethyl alcohol.

- FDA PART 73 -- LISTING OF COLOR ADDITIVES EXEMPT FROM CERTIFICATION Subpart A-Foods Sec. 73.30 Annatto extract.
- FDA PART 73 -- LISTING OF COLOR ADDITIVES EXEMPT FROM CERTIFICATION Subpart A-Foods Sec. 73.345 Paprika oleoresin.
- FDA PART 73 -- LISTING OF COLOR ADDITIVES EXEMPT FROM CERTIFICATION Subpart A—Foods Sec. 73.615 Turmeric oleoresin

2. European Union Regulations:

- COMMISSION REGULATION (EU) No 10/2011 - Ethanol is listed in the latest version of COMMISSION REGULATION (EU) No 10/2011 on plastic materials and articles intended to come into contact with food. Ethanol (FCM Substance No 113) is listed in ANNEX I, Union list of authorized monomers, other starting substances, macromolecules obtained from microbial fermentation, additives and polymer production aids. Use as additive or polymer production aid (Table 1). There are no restrictions and/or specifications indicated.
- EU Directive 2009/32/EC – Ethanol is listed in Annex 1, Part 1: Extraction solvents which may be used during the processing of raw materials, of foodstuffs, of food components or food ingredients.
- Commission Regulation (EU) No 872/2012 – Ethanol is listed as flavoring substance in foodstuff (FL No: 02.078 – JECFA No: 41 – CoE No: 11891).
- Resolution AP (2004)1 – Ethanol is included in A. LIST 1 OF MONOMERS of resolution AP (2004)1 on coatings intended to come into contact with foodstuffs. There are no restrictions and/or specifications indicated.
- Resolution AP (2004)3 – Ethanol is included in LIST 1 OF SUBSTANCES USED IN THE MANUFACTURE OF ION EXCHANGE AND ADSORBENT RESINS of resolution AP (2004)3 on Ion exchange and adsorbent resins used in the processing of foodstuffs. There are no restrictions and/or specifications indicated.
- EUPIA exclusion list – Ethanol is not included in the exclusion list of solvents issued by the European Printing Ink Association.
- Swiss Ordinance 817.023.21 – Ethanol is listed in ‘Annex 6, List of Solvents, Part A: Evaluated Substances’. There are no restrictions and/or specifications indicated.

In addition, Ethanol is listed as:

- JECFA Food Flavoring: 41 Ethanol
- JECFA Food Additive: Ethyl Alcohol
- Flavis Number: 02.078
- DG SANTE Food Flavorings: 02.078 ethanol
- FEMA Number: 2419 ethanol
- FDA Main term: ETHYL ALCOHOL

Ethanol and Ethanol products are processed and packaged in a GMP and HACCP compliant facility. Pure ethyl alcohol also meets the current Food Chemical Codex (FCC) criteria for Ethyl Alcohol.