

METRIC

A-A-20098D

October 30, 2006

SUPERSEDING

A-A-20098C

April 1, 2004

## COMMERCIAL ITEM DESCRIPTION

### BEVERAGE BASES (POWDERED)

The U.S. Department of Agriculture (USDA) has authorized the use of this Commercial Item Description (CID).

**1. SCOPE.** This CID covers beverage bases (powdered), packed in commercially acceptable containers, suitable for use by Federal, State, local governments, and other interested parties; and as a component of operational rations.

#### 2. PURCHASER NOTES.

##### 2.1 Purchasers *shall specify* the following:

- Type(s), flavor(s), and formulation(s) of beverage bases required (Sec. 3).
- When analytical requirements are different than specified (Sec. 6.1).
- When analytical requirements need to be verified (Sec. 6.2).
- Manufacturer's/distributor's certification (Sec. 9.2) or USDA certification (Sec. 9.3).

##### 2.2 Purchasers *may specify* the following:

- Manufacturer's quality assurance (Sec. 9.1 with 9.1.1) or (Sec. 9.1 with 9.1.2).
- Packaging requirements other than commercial (Sec. 10).

**3. CLASSIFICATION.** The beverage bases shall conform to the following list which shall be specified in the solicitation, contract, or purchase order.

#### Types, flavors, and formulations.

- Type I** - Unsweetened  
**Type II** - Sweetened with nutritive sweetener  
**Type III** - Sweetened with non-nutritive sweetener

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- Flavor 1** - Orange
- Flavor 2** - Lemon
- Flavor 3** - Lime
- Flavor 4** - Lemon-Lime
- Flavor 5** - Grape
- Flavor 6** - Cherry
- Flavor 7** - Fruit Punch
- Flavor 8** - Lemonade
- Flavor 9** - Strawberry
- Flavor 10** - Tropical Punch
- Flavor 11** - Berry
- Flavor 12** - Apple Cider
- Flavor 13** - Raspberry
- Flavor 14** - Apple
- Flavor 15** - Cranberry
- Flavor 16** - Ruby Red Grapefruit
- Flavor 17** - Tangerine Strawberry
- Flavor 18** - Other

- Formulation a** - Not fortified
- Formulation b** - Fortified with ascorbic acid
- Formulation c** - Fortified with vitamin pre-mix
- Formulation d** - Fortified with ascorbic acid and enhanced with maltodextrin
  - Ascorbic acid - Not less than 45 milligrams per serving
  - Maltodextrin - Not less than 13 grams per serving
- Formulation e** - Fortified with ascorbic acid and enhanced with maltodextrin
  - Ascorbic acid - Not less than 30 milligrams per serving
  - Maltodextrin - Not less than 30 grams per serving
- Formulation f** - Fortified with ascorbic acid and enhanced with caffeine
- Formulation g** - Fortified with sodium, potassium and vitamin pre-mix
- Formulation h** - Other

#### **4. MANUFACTURER'S/DISTRIBUTOR'S NOTES. Manufacturer's/distributor's products *shall meet the requirements of the:***

- Salient characteristics (Sec. 5).
- Analytical requirements: *as specified by the purchaser* (Sec. 6).
- Manufacturer's/distributor's product assurance (Sec. 7).
- Regulatory requirements (Sec. 8).
- Quality assurance provisions: *as specified by the purchaser* (Sec. 9).
- Packaging requirements other than commercial: *as specified by the purchaser* (Sec. 10).

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## 5. SALIENT CHARACTERISTICS.

**5.1 Processing.** The beverage bases shall be processed in accordance with good manufacturing practices (21 CFR Part 110).

**5.2 Ingredients.** The beverage bases shall contain ingredients appropriate for the type(s), flavor(s), and formulation(s) of beverage bases specified in the solicitation, contract, or purchase order. The beverage bases may contain natural or artificial flavors, acidulants, antioxidants, stabilizers, clouding agents, U.S. certified colors, anticaking agents, emulsifiers, fillers, ascorbic acid and other ingredients.

**5.2.1 Sweeteners.** Nutritive or non-nutritive sweeteners may be used in the sweetened beverage bases. The nutritive sweeteners shall be white, refined, granulated cane or beet sugar, or a combination thereof. Non-nutritive sweeteners, including, but not limited to, aspartame, Acesulfame potassium, saccharin, or other non-nutritive sweeteners shall be approved by the Federal Food and Drug Administration for food use.

**5.2.2 Formulation.** The levels of fortification and enhancement shall be as specified in the solicitation, contract, or purchase order. The levels of fortification for the use of the term “fortified” in the labeling of these foods shall be in accordance with 21 CFR § 101.54(e).

**5.3 Finished product.** The beverage bases shall be uniformly blended, free-flowing, homogenous dry mixtures, free from hard lumps. When reconstituted per the manufacturer’s instructions, the beverage bases shall fully dissolve within two minutes with constant stirring.

**5.3.1 Color and appearance.** The beverage bases shall be sediment free and have the color and appearance of the respective fruit flavor.

**5.3.2 Flavor and odor.** The beverage bases shall have the flavor and odor typical of the respective fruit flavor.

**5.4 Foreign material.** All ingredients and finished product shall be clean, sound, wholesome, free from foreign material, and free from evidence of rodent or insect infestation.

## 6. ANALYTICAL REQUIREMENTS.

**6.1 Analytical requirements.** Unless otherwise specified in the solicitation, contract, or purchase order, the analytical requirements for the beverage bases shall be as follows:

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**TABLE I. Analytical requirements** (percent by weight)

<b>Type</b>	<b>Flavor</b>	<b>Formulation</b>	<b>Moisture (percent maximum)</b>
Type II	Flavor 1, Orange Flavor 4, Lemon-Lime Flavor 10, Tropical Punch	d	3.5
Type II	Flavor 1, Orange Flavor 4, Lemon-Lime Flavor 5, Grape Flavor 10, Tropical Punch	e	6.0
Type II	Flavor 12, Apple Cider	b	1.0
Type III	Flavor 1, Orange Flavor 14, Apple Flavor 15, Cranberry Flavor 16, Ruby Red Grapefruit	f	5.0
Type III	Flavor 4, Lemon-Lime Flavor 10, Tropical Punch Flavor 11, Berry Flavor 17, Tangerine Strawberry	g	5.0
Type I, II, III <u>1/</u>			

1/ The moisture content for all other flavors and formulations shall not exceed 2.0 percent.

**6.1.1 Caffeine.** The caffeine content for Formulation f shall be not less than 80 milligrams and not more than 110 milligrams per serving.

**6.2 Product verification sampling.** When USDA verification of analytical requirements is specified in the solicitation, contract, or purchase order, analytical testing shall be performed on a composite sample. The composite sample shall be 113.4 grams (4 ounces) prepared from five randomly selected subsamples. Subsamples shall be a minimum of one can/jar/envelope and shall contain the appropriate number of cans/jars/envelopes to yield a 113.4 gram sample when composited.

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**6.3 Analytical testing.** When specified in the solicitation, contract, or purchase order, the analyses shall be made in accordance with the following method from the Official Methods of Analysis of the AOAC International:

<u>Test</u>	<u>Method</u>
Moisture	925.45A
Caffeine	980.14

**6.4 Test results.** The test results for moisture shall be reported to the nearest 0.1 percent. Test results for caffeine shall be reported to the nearest milligram per gram. Any result not conforming to the analytical requirement shall be cause for rejection of the lot.

**7. MANUFACTURER'S/DISTRIBUTOR'S PRODUCT ASSURANCE.** The manufacturer/distributor shall certify that the beverage bases provided shall meet the salient characteristics of this CID, conform to their own specifications, standards, and quality assurance practices, and be the same beverage bases offered for sale in the commercial market. The purchaser reserves the right to require proof of conformance.

**8. REGULATORY REQUIREMENTS.** The delivered beverage bases shall comply with all applicable Federal, State, and local mandatory requirements and regulations relating to the preparation, packaging, labeling, storage, distribution, and sale of beverage bases within the commercial marketplace. Delivered beverage bases shall comply with all applicable provisions of the Federal Food, Drug, and Cosmetic Act, the Fair Packaging and Labeling Act and regulations promulgated thereunder.

**9. QUALITY ASSURANCE PROVISIONS.** *Purchaser shall specify 9.2 or 9.3; purchaser may specify 9.1 with 9.1.1 or 9.1 with 9.1.2.*

**9.1 Manufacturer's quality assurance.** When required in the solicitation, contract, or purchase order, the product manufacturer shall be required to provide evidence, by certificate, that the manufacturing plant has undertaken one of the following quality assurance measures within 12 months prior to providing a bid, or no later than 10 business days from the date of awarding of the contract. Failure to provide this documentation within the proper time frame may result in the contract being terminated for cause.

**9.1.1 Plant systems audit.** A plant systems audit (PSA) conducted by USDA, Agricultural Marketing Service (AMS), or another audit performed by a third party auditing service is required within 12 months prior to the date of the awarding of the contract. *(An AMS PSA verifies the manufacturer's capability to produce products in a clean, sanitary environment in accordance with Title 21 Code of Federal Regulations Part 110 - Current Good Manufacturing*

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*Practice in Manufacturing, Packing, or Holding Human Food, and verifies that the manufacturer has in place an internal quality assurance program. The AMS PSA determines the manufacturer's ability to produce under this CID, if the products of interest are identified at the time of the PSA.)*

**9.1.2 Plant survey.** A plant survey conducted by USDA, AMS, or another survey performed by a third party auditing service is required within 12 months prior to the date of the awarding of the contract. *(An AMS plant survey audit verifies that, at the time of the survey, the manufacturer produces products in a clean, sanitary environment in accordance with Title 21 Code of Federal Regulations Part 110 - Current Good Manufacturing Practice in Manufacturing, Packing, or Holding Human Food.)*

**9.2 Manufacturer's/distributor's certification.** When required in the solicitation, contract, or purchase order, the manufacturer/distributor will certify that the finished beverage bases distributed meets or exceeds the requirements of this CID.

**9.3 USDA certification.** When required in the solicitation, contract, or purchase order that product quality and acceptability or both be determined, the Processed Products Branch (PPB), Fruit and Vegetable Programs (FVP), AMS, USDA, shall be the certifying program. PPB inspectors shall certify the quality and acceptability of the beverage bases in accordance with PPB procedures which include selecting random samples of the packaged beverage bases, evaluating the samples for conformance with the salient characteristics of this CID and other contractual requirements, and documenting the findings on official PPB score sheets and/or certificates. In addition, when required in the solicitation, contract, or purchase order, PPB inspectors will examine the beverage bases for conformance to the United States Standards for Condition of Food Containers in effect on the date of the solicitation.

**10. PACKAGING.** Preservation, packaging, packing, labeling, and case marking shall be commercial unless otherwise specified in the solicitation, contract, or purchase order.

**11. USDA INSPECTION NOTES.** When Section 9.3 is specified in the solicitation, contract, or purchase order, USDA certification shall include evaluation of the quality and condition of samples of packaged beverage bases, and compliance with requirements in the following areas:

- Salient characteristics (Sec. 5).
- Analytical requirements *when specified in the solicitation, contract, or purchase order* (Sec. 6.1). When USDA analytical testing is specified, PPB inspection personnel shall select samples and submit them to the USDA, Science and Technology Programs (S&TP) laboratory for analysis.
- Packaging requirements (Sec. 10 or as specified in the solicitation, contract, or purchase order).

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## 12. REFERENCE NOTES.

**12.1 USDA certification contact.** For USDA, AMS certification, contact the **Branch Chief, PPB, FVP, AMS, USDA, STOP 0247, 1400 Independence Avenue, SW, Washington, DC 20250-0247** telephone (202) 720-4693, Fax (202) 690-1527, or via E-mail: [terry.bane@usda.gov](mailto:terry.bane@usda.gov).

**12.2 Analytical testing and technical information contact.** For USDA technical information on analytical testing, contact the **Branch Chief, Technical Service Branch, S&TP, AMS, USDA, Room 306 Cotton Annex, 300 12<sup>th</sup> Street, SW, Washington, DC 20250-0272,** telephone (202) 690-0621, or via E-mail: [anita.okrend@usda.gov](mailto:anita.okrend@usda.gov).

### 12.3 Sources of documents.

#### 12.3.1 Source of information for nongovernmental document is as follows:

Copies of the Official Methods of Analysis of the AOAC International may be obtained from: **AOAC International, 481 North Frederick Avenue, Suite 500, Gaithersburg, MD 20877,** telephone (301) 924-7077. Internet address: <http://www.aoac.org>.

#### 12.3.2 Sources of information for governmental documents are as follows:

Applicable provisions of: The Fair Packaging and Labeling Act are contained in 16 CFR Parts 500 to 503 and the Federal Food, Drug, and Cosmetic Act are contained in 21 CFR Parts 1 to 199. These documents may be purchased from: **Superintendent of Documents, ATTN: New Orders, P.O. Box 371954, Pittsburgh, PA 15250-7954.** Credit card (MasterCard or Visa) purchases may be made by calling the Superintendent of Documents (202) 512-1800 or on the Internet at: <http://www.gpoaccess.gov/nara/index.html>.

Copies of this CID and the United States Standards for Condition of Food Containers are available from: **Head, Food Quality Assurance Staff, FVP, AMS, USDA, STOP 0243, 1400 Independence Ave., SW, Washington, DC 20250-0243,** telephone (202) 720- 9939, Fax (202) 690-0102, via E-mail: [FQASTaff@usda.gov](mailto:FQASTaff@usda.gov) or on the Internet at: <http://www.ams.usda.gov/fv/fvqual.htm>.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be sent to: **Commander, Defense Supply Center Philadelphia, ATTN: DSCP-FTSA, 700 Robbins Avenue, Philadelphia, PA 19111-5092** or Fax (215) 737-2963, or via E-mail: [Sally.A.Gallagher@dla.mil](mailto:Sally.A.Gallagher@dla.mil).

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Military activities should submit requests for copies of this CID to: **Standardization Documents Order Desk, Document Automation And Production Service, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094** or on the Internet at: **<http://assist.daps.dla.mil/quicksearch/>**.

**MILITARY INTERESTS:**

**Custodians**

Army - GL  
Navy - SA  
Air Force - 35

**CIVIL AGENCY COORDINATING ACTIVITIES:**

DOJ - BOP  
HHS - NIH, IHS  
USDA - FV  
VA - OSS

**Review Activities**

Army - MD, QM  
Navy - MC

**PREPARING ACTIVITY:**

DLA - SS  
(Project No. 8960-2007-001)

**NOTE:** The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at **<http://assist.daps.dla.mil>**.

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