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USDA COMMODITY REQUIREMENTS DOCUMENT

DEB7 DRY EDIBLE BEANS

FOR USE IN INTERNATIONAL FOOD ASSISTANCE PROGRAMS

Effective Date: September 19, 2013

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Part 1 COMMODITY SPECIFICATIONS

Section 1.1 COMMODITIES

- A. Dry edible beans shall meet the specifications as defined in the "Official United States Standards for Beans" in effect at the time the applicable solicitation is issued. The standards are available at: http://www.gipsa.usda.gov/fgis/standards/Bean-Standards.pdf.
- B. Moisture not to exceed 16.0% for all beans.
- C. Dry edible beans shall grade U.S. No. 2 or better, except marrow, great northern, flat small white, small white, white kidney, light red kidney, dark red kidney, small red, pink, black, and miscellaneous beans, may include up to 5 percent total defects due to surface dirt which is readily removed during processing.
- D. Pea beans shall grade U.S. No. 2 or better but may include no more than 5 percent of beans with surface dirt and grime and total defects.
- E. The grade certificate issued by Federal Grain Inspection Service (FGIS) for beans, except for pea beans, containing between 4 and 5 percent total defects due to surface dirt shall show the grade U.S. No. 3, and shall include the following statement:
- F. "This lot meets the requirements applicable for U.S. No. 2 or better (<u>class of beans</u>) except for defects due to dirt and grime."
- G. The grade certificate issued by FGIS for pea beans shall include the following statement:

"This lot contains (<u>percent</u>) of beans with surface dirt and grime and total defects. Beans with surface dirt and grime are not considered damage in pea beans and are not included in the "Total Defects" results."

Section 1.2 INSPECTION-ALL COMMODITIES

- A. The contractor shall be responsible for arranging and obtaining FGIS, or any other organization designated by FGIS, official domestic and export weight and grade certificates. Procedures to follow, additional information and points of contact for these services may be obtained at <u>http://www.gipsa.usda.gov/fgis/standproc.html</u>. Contractors are required to notify the Government immediately of lots that fail to meet contract requirements.
- B. The average net weight of the sampled shipping units as determined by FGIS shall not be less than 98 percent of the marked net weight. Failure of the lot to meet the average net weight requirement shall cause rejection of the involved lot pursuant to FAR clause 52.212-4(a).

- C. If the product fails to meet contract specifications on one or more factors on the first inspection, the contractor may arrange with FGIS for subsequent inspections of the commodity. The inspections may be conducted at origin or a subsequent point of delivery if the provisions of Title 7 CFR 868.40 through 868.63 issued under the Agricultural Marketing Act of 1946, as amended, with respect to retest, appeal, and new inspections can be met. When subsequent inspections of the product are made, the results of the last inspection will be used as the basis for payment under the contract.
- D. FGIS will perform a condition of container examination in accordance with the United States Standards for Condition of Food Containers (7 CFR Part 42) and the Agricultural Marketing Service Handbook for Inspection of the Condition of Food Containers.

Part 2 CONTAINER AND PACKAGING REQUIREMENTS

Section 2.1 GENERAL

This part provides the container specifications and packaging materials requirements used under this contract.

Section 2.2 CONTAINERS AND MATERIALS

- A. All containers and packaging shall be constructed to meet the requirements of the Food and Drug Administration (FDA) for safe contact with the packaged product. The contractor shall obtain and maintain documentation from the container or packaging material manufacturer to verify that the containers and packaging materials used in this contract were in compliance with the Government's regulatory requirements for safe contact with food products as required in the Master Solicitation, Part 3, Section A, Number 3.
- B. Questions concerning the containers and materials should be directed to: USDA/FSA/DACO Room 5755 – South Bldg, STOP 0551 1400 Independence Avenue SW Washington, DC 20250-0551 ATTN: Packaging
- C. If the contractor purchases packaging and container ingredients from a foreign country and/or the package and container is manufactured in a foreign country, the package and container SHALL NOT display country of origin labeling. Phrases similar to but not inclusive of, "Made in [Name of Foreign Country.]" or "Product of [Name of Foreign Country.]" are strictly prohibited.

D. In addition, all containers and packaging materials shall be constructed to comply with the sum concentration levels of lead, cadmium, mercury, and hexavalent chromium addressed by the Coalition of Northeast Governors (CONEG) model legislation. The sum of the concentration levels of lead, cadmium, mercury and/or hexavalent chromium present in any package or packaging component shall not exceed 100 parts per million. Concentration levels shall be determined using American Standard of Testing Materials test methods, as revised, or U.S. Environmental Protection Agency test methods for evaluating solid waste, S-W 846, as revised.

Section 2.3 50-KILOGRAM WOVEN POLYPROPYLENE BAGS

Contractors may utilize woven polypropylene fabric and circular-woven style bags but are not limited to these constructions. If woven poly bags are used, the following is to apply:

- A. The color of the fabric shall be white, unless otherwise specified. At the contractor's discretion, it may use fabric containing marker yarns as a means of identifying the manufacturer of the fabric.
- B. The polymer in the fabric shall be 100 percent virgin polypropylene with no recycled material. Rework product will be limited to excess material produced during the initial extrusion process and will be limited to the amount produced during normal continuous operation. A system to identify and document this process must be in place for review by the Government's audit personnel.
- C. The fabric in an unstressed state shall permit a minimum air flow of 3 cubic feet per minute per square foot and a maximum of 30 cubic feet per minute per square foot, when tested in accordance with ASTM Test Method D737, as amended.
- D. The fabric shall be finished by coating or other suitable method to prevent slippage. Individual test results shall be 28 degrees or greater, when tested in accordance with TAPPI Test Method T-503-OM-84. The fabric shall accept and retain printing ink that will not rub or flake off to a degree where legibility is impaired.
- E. The fabric shall be capable of resisting ultraviolet deterioration for a minimum of 200 hours of exposure in a weatherometer, when tested in accordance with Test Method 5804-Federal Standard 191, as amended. The fabric shall retain 70 percent of its original minimum tensile strength in each direction, after 200 hours exposure, when tested in accordance with Test Method ASTM D 5034 (Grab Test), as amended.
- F. Bags may be flat tube or gusseted.

G. Bags may be extrusion coated. Extrusion coated bags shall have the proper number, size and location of micro perforations to achieve the air permeability rate required for product stability and fumigation, as well as filling efficiency.

Section 2.4 SEWING OF BAG SEAMS

- A. All bag seams shall be sewn in a manner which prevents the product from leaking through the seams during handling, storage, and distribution.
- B. The color of the sewing thread shall be natural or white. The tensile strength of the sewn seams shall not be less than the tensile strength of the fabric in the body of the bag.
- C. The top and bottom of the bag shall be heat cut or otherwise finished to prevent fraying or unraveling of the fabric during distribution. The bottom seam shall be constructed in accordance with Federal Standard 751a, SSn-1 Single Turnover, as amended. A minimum of 4 stitches per inch is required.

Section 2.5 PERFORMANCE TEST PROCEDURES

- A. All bags shall be capable of withstanding the following performance test for impact resistance.
 - (1) Ten filled and sealed bags shall each survive a single drop test on the butt and side on a shock machine that produces for each test a velocity change of 195 inches per second using a shock duration of .002 seconds without loss of product.
 - (2) Testing shall be conducted under standard temperature (73.4 ° F plus or minus 1.8 ° F) and relative humidity (50% plus or minus 2%) conditions.
 - (3) Filled bags shall be placed in the conditioned atmosphere for sufficient time before the tests are conducted for the bag materials to come to equilibrium.
 - (4) Bags submitted under this performance specification shall conform to all other applicable material, construction, and performance specifications.

B. Test Laboratories

The contractor may use any independent or private laboratory that is capable of conducting the performance test for impact resistance described in Section 2.5.A. However, the Government is aware of only the following domestically located independent or private laboratories that have such capability:

| Michigan State University School of Packaging 130 Packaging Building East Lansing, MI 48824-1223 (517) 355-9580 <u>http://www.packaging.msu.edu/</u> <u>research/testing_services/</u> | Lansmont Corporation 17 Mandeville Court Monterey, CA 93940 (831) 655-6600 www.lansmont.com |
|---|---|
| Rutgers University Center for Packaging Science and Engineering Busch Campus 137 Winchester Road, Piscataway, NJ 08854-8029 (732) 445-3224 http://catalogs.rutgers.edu/gene rated/nb- grad_0810/pg24361.html | Ten-E Packaging Services, Inc. 1666 County Road 74 Newport, MN 55055 (651) 459-0671 <u>http://www.ten-</u> <u>e.com/index.php/package-testing/</u> |

Section 2.6 TEST FREQUENCY

- A. All testing specified shall be performed and documented.
- B. The air permeability and ultraviolet resistance tests shall, as a minimum, be performed annually and when a change in the formulation/design of the fabric is being made.
- C. The performance test for impact resistance shall be performed when a change in the formulation/design of the fabric is being made.
- D. The slide angle test shall, as a minimum, be performed in-house for every 10,000 lineal meters of fabric production. Testing performed in-house is not required to be performed under the specified temperature and humidity requirements. In addition, the slide angle test shall, as a minimum, be performed annually by an outside testing facility and when a change in the formulation/design of the fabric is being made. This testing shall be performed in accordance with all contract requirements, including the specified temperature and humidity.

E. All supporting test and quality control documentation shall be retained and made available for review by the Government for a minimum of three years after final payment under the contract.

Part 3 MARKING REQUIREMENTS

Section 3.1 MARKINGS

- A. The bag shall be marked in the color specified in the markings exhibits. Any markings not shown on the exhibits shall be printed in blue. When printed on the bag, the colors blue and red shall match the Pantone Matching System (PMS) chart numbers 280 and 200, respectively, to the extent practicable.
- B. All dimensions are approximate. Unless otherwise specified, all characters shall be in normal block print.
- C. The US flag shall be 7 inches high and 12 ³/₄ inches in total width on the front and back of the applicable bag, see exhibits
- D. The letters USA shall be Univers black (75) oblique, or Helvetica extra bold with 70% scaling and -70 tracking or equivalent to match the style as shown in the exhibits. The letters USA shall be 6 1/2 inches high and 12 1/2 inches in total width. The three stripes adjacent USA shall be 1 1/4 inches high and printed as close to the edges of the bag as possible, not to exceed 1 1/2 inches from any edge.
- E. The USAID vertical identity, including the logo, brand name, and tagline, shall be printed in the same style as shown in the markings exhibits sized approximately 7 ¹/₂ inches high and 9 3/8 inches in total width. The USAID logo shall be 4 ¹/₄ inches in diameter. The USAID brand name shall be 2 inches in height. The tagline "FROM THE AMERICAN PEOPLE" shall be ¹/₂ inch in height, see exhibits. The USAID vertical logo is available to download at <u>http://www.usaid.gov/branding/</u>.
- F. The USDA logo shall be $5\frac{1}{2}$ inches high and $7\frac{3}{4}$ inches in total width, see exhibits.
- G. The commodity name shall be 1 1/2 inch print. Immediately below the commodity name on the front and back panels insert additional commodity description in 5/8 inch print, if applicable. See Exhibit A for appropriate commodity name/additional commodity description that shall be printed on each bag.

- H. The net weight, contract number and the statement "NOT TO BE SOLD OR EXCHANGED" shall be 3/4 inch print. The bag dimensions and Standard Marking Requirement (SMR) or Language Marking Requirement (LMR) number shall be 1/2 inch print. The contract number, net weight, and SMR or LMR number shall be at the bottom of the bag, centered. See exhibits.
- I. The symbol indicating "USE NO HOOKS" shall be 2 3/4 inches in height. See exhibits.
- J. The letters or symbols used in the language markings for LMR-1, LMR-3, LMR-4, LMR-5, LMR-7, and LMR-8 should be sized approximately 1 5/8 inches, see exhibits. The language marking for LMR-2 and LMR-6 should be sized to fit as shown in the exhibits.
- K. Lot numbers, production codes or any other means of identification required to meet traceability requirements shall be as small as possible, yet legible.

Section 3.2 MARKING DESCRIPTIONS

The Government shall furnish required markings within two business days after the date of the contract. The procurement of containers should be deferred for at least two business days after the date of the contract.

The following standard marking requirements may be requested under the contract:

Standard Marking Requirement #1 (SMR-1)

USAID – **Distribution**

Front: US Flag, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USAID logo, contract number, net weight, dimensions, "SMR-1," and use no hooks symbol. See exhibit SMR-1, front Back: Identical to front. See exhibit SMR-1, back.

Standard Marking Requirement #2 (SMR-2)

FAS - Distribution

Front: USA with stripes, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USDA logo, contract number, net weight, dimensions, "SMR-2", and use no hooks symbol. See exhibit SMR-2, front. Back: Identical. See exhibit SMR-2, back.

Standard Marking Requirement #3 (SMR-3) USAID – Monetization

Front: US Flag, the commodity name, USAID logo, contract number, net weight, dimensions, "SMR-3," and use no hooks symbol. See exhibit SMR-3, front. Back: Identical to front. See exhibit SMR-3, back.

Standard Marking Requirement #4 (SMR-4)

FAS or USAID - Monetization

Front: USA with stripes, the commodity name, contract number, net weight, dimensions, "SMR-4," and use no hooks symbol. See exhibit SMR-4, front. Back: Identical. See exhibit SMR-4, back.

Language Marking Requirement #1 (LMR-1)

USAID – Distribution for North Korea

Front: US Flag, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USAID logo, contract number, net weight, dimensions, and "LMR-1.". See exhibit LMR-1, front.

Back: US Flag, the commodity name, North Korean language panel, and "LMR-1" only. See exhibit LMR-1, back.

Language Marking Requirement #2 (LMR-2)

USAID – Distribution for Afghanistan, with Pashtu and Dari

Front: US Flag, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USAID logo, contract number, net weight, dimensions, and "LMR-2." See exhibit LMR-2, front.

Back: US Flag, the commodity name, Pashtu and Dari language panel, and "LMR-2" only. See exhibit LMR-2, back.

Language Marking Requirement #3 (LMR-3)

USAID – Distribution for South Africa Region

Front: US Flag, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USAID logo, contract number, net weight, dimensions, and "LMR-3." See exhibit LMR-3, front.

Back: US Flag, the commodity name, English language panel, and "LMR-3" only. See exhibit LMR-3, back.

Language Marking Requirement #4 (LMR-4)

USAID – Distribution for Iraq with Arabic

Front: US Flag, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USAID logo, contract number, net weight, dimensions, and "LMR-4." See exhibit LMR-4, front.

Back: US Flag, the commodity name, Arabic language panel, and "LMR-4" only. See exhibit LMR-4, back.

Language Marking Requirement #5 (LMR-5)

FAS – Distribution for North Korea

Front: USA with stripes, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USDA logo, contract number, net weight, dimensions, and "LMR-5." See exhibit LMR-5, front.

Back: USA with stripes, the commodity name, North Korean language panel, and "LMR-5" only. See exhibit LMR-5, back.

Language Marking Requirement #6 (LMR-6)

FAS – Distribution for Afghanistan, with Pashtu and Dari

Front: USA with stripes, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USDA logo, contract number, net weight, dimensions, and "LMR-6." See exhibit LMR-6, front.

Back: USA with stripes, the commodity name, Pashtu and Dari language panel, and "LMR-6" only. See exhibit LMR-6, back.

Language Marking Requirement #7 (LMR-7)

FAS – Distribution for South Africa Region

Front: USA with stripes, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USDA logo, contract number, net weight, dimensions, and "LMR-7." See exhibit LMR-7, front.

Back: USA with stripes, the commodity name, English language panel, and "LMR-7" only. See exhibit LMR-7, back.

Language Marking Requirement #8 (LMR-8)

FAS – Distribution for Iraq with Arabic

Front: USA with stripes, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USDA logo, contract number, net weight, dimensions, and "LMR-8." See exhibit LMR-8, front

Back: USA with stripes, the commodity name, Arabic language panel, and "LMR-8" only. See exhibit LMR-8, back.

Section 3.3 EMPTY BAG DIMENSIONS

A. All bags shall be marked with the empty dimensions as follows:

| Gusseted Bags | Face Width X Gusseted Width X Finished Length | | |
|----------------|---|--|--|
| Flat Tube Bags | Face Width X Finished Length | | |

- B. The dimensions shall be printed at the bottom of the bag, centered, see exhibits.
- C. The finished size of the circular woven polypropylene bags will be determined by the contractor, unless otherwise specified by the contracting officer.

Section 3.4 CONTAINERS WITH INCORRECT MARKINGS

A. Any labels, bags, cans, can lids, cases, or any other type of packaging (hereinafter referred to as "containers") displaying incorrect markings may be used under a Government contract provided that the incorrect markings are obliterated and correct markings are applied in a permanent manner with approval of the contracting officer.

B. The appearance of containers in commercial or other channels either filled or unfilled bearing markings identifying the containers as part of a Government contract may cause the Government expense in determining whether commodities have been diverted from authorized use and in answering inquiries. The contractor shall take all necessary action to prevent the appearance in commercial or other channels of containers and container materials bearing any markings required under a Government contract, including those held by the contractor or others; e.g., overruns, misprints, etc. The contractor shall ensure that any container from a Government contract that appears in commercial or other channels shall have all markings required under this contract permanently obliterated.

Exhibit A

List of Commodity Names Printed on 50 Kilogram Woven Polypropylene Bags

| Commodity | Commodity Name | Commodity | Commodity Name | |
|------------------|---------------------------|--------------------------|----------------------|--|
| Requirements | | Requirements | | |
| Bulgur / Soy- | BULGUR | Dry Edible | BLACK BEANS | |
| Fortified Bulgur | SOY-FORTIIFIED | Beans (DEB) | BLACKEYE BEANS | |
| (BWSF) | BULGUR | | | |
| Buckwheat | BUCKWHEAT GROATS | | DARK RED KIDNEY | |
| (BWP) | | | BEANS | |
| | BUCKWHEAT GRITS | | LIGHT RED KIDNEY | |
| | | | BEANS | |
| | BUCKWHEAT FLOUR | | GARBANZO BEANS | |
| Bagged Grain | WHEAT | | GREAT NORTHERN BEANS | |
| (KCBG) | HARD RED WINTER | _ | | |
| | WHEAT SOFT WHITE | | PEA BEANS | |
| | WHEAT | | PINK BEANS | |
| | HARD RED SPRING | | | |
| | WHEAT | | PINTO BEANS | |
| | NORTHERN SPRING | - | | |
| | SORGHUM | - | SMALL RED BEANS | |
| | YELLOW CORN | - | SMALL WHITE BEANS | |
| | YELLOW CORN | | | |
| | YELLOW SOYBEANS | | | |
| Milled Rice (MR) | MILLED RICE LONG GRAIN | Peas and Lentils (PL) | LENTILS | |
| | MILLED RICE | | SPLIT GREEN PEAS | |
| | MEDIUM GRAIN | | SPLIT YELLOW PEAS | |
| | MILLED RICE | | SMOOTH GREEN DRY | |
| | PARBOILED | | PEAS | |
| Wheat Flour/ | FLOUR | | SMOOTH YELLOW DRY | |
| Bread Flour | ALL PURPOSE | - | PEAS | |
| (WFBF) | BREAD FLOUR | | | |
| 50 KG | WHEAT | | | |
| Polypropylene | CORN | | | |
| Bags | SORGHUM | | | |
| (KCPBAGS) | SOYBEANS |] | | |
| | SOYBEAN MEAL | | | |

Exhibits SMR-1 through SMR4 and LMR1 through LMR8







BACK

COMMODITY NAME

NOT TO BE SOLD OR EXCHANGED



23 x 39

SMR-2

CONTRACT ABCD01234 NET WEIGHT: 50 kg, 110.23 lb.

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EUSA

COMMODITY NAME

د امریکا د متحده ایالاتی د خلکو سوغات

تحفهء مردم ایالات متحده امریکا

LMR-6





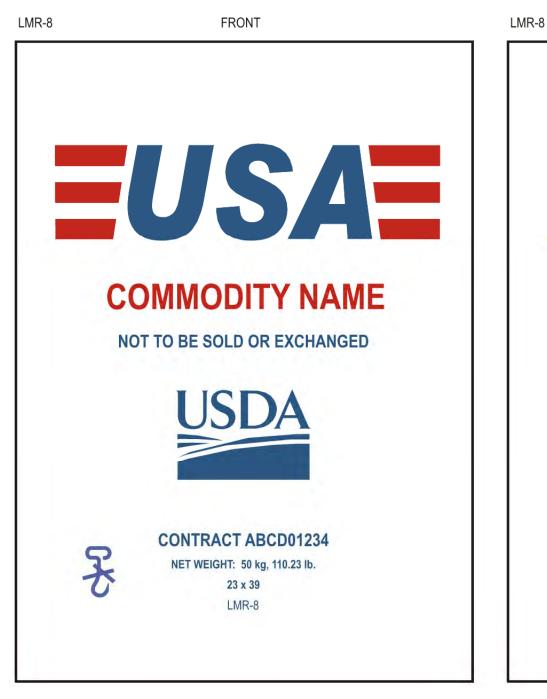
LMR-7



COMMODITY NAME

Gift of the People of the United States of America

LMR-7







COMMODITY NAME



LMR-8