USDA COMMODITY REQUIREMENTS

KCPBAGS 309 BAGS AND TWINE FOR USE IN EXPORT PROGRAMS

Effective Date: 09/01/05

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Part 1 CONTAINER AND PACKAGING REQUIREMENTS

Section 1.1 GENERAL

This part provides the packaging and container requirements, and marking specifications for containers and packaging materials acquired under this contract.

Section 1.2 CONTAINERS AND MATERIALS

A. All containers and packaging materials shall be manufactured and assembled in the United States. The components that make up the fabricating materials of the containers and packaging materials shall be of U.S. origin to the extent that they are commercially available. Questions concerning the availability of a material should be directed to:

USDA/FSA/DACO Room 5755 - South Bldg., Stop 0551 1400 Independence Avenue SW Washington, DC 20250-0551 ATTN: Packaging

- B. (1) All containers and packaging materials shall be constructed to meet the requirements of the FDA for safe contact with the packaged product.
 - (2) 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.
- C. 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 requirements

Section 1.3 50-KILOGRAM WOVEN POLYPROPYLENE BAGS

Woven polypropylene fabric and circular-woven style bags.

- A. The manufacturer and fabric construction shall be authorized for use, in writing, by the Government.
- B. The color of the fabric shall be white, unless otherwise specified. Colored identifying marker yarn(s) shall be woven into the fabric by the manufacturer. The color(s) of the marker yarn(s) shall be approved, in writing, by the Government. Information on approval of manufacturer and associated marker

- yarn will be posted on the USDA, FSA, DACO, Internet page at: http://www.fsa.usda.gov/daco/pdd/bags.htm
- C. 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 shall be in place for review by the Government's audit personnel.
- D. 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.
- E. 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.
- F. 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.
- G. Bags may be flat tube or gusseted.

Section 1.4 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 1.5 BAG SIZE REQUIREMENTS

Circular woven polypropylene bags shall have the finished bag size of 23 inches by 39 inches, unless otherwise specified by the contracting officer.

Section 1.6 BALING REQUIREMENTS

- A. Bags shall be baled with 1,000 polypropylene bags to the base.
- B. Bags designed to be top loaded with bulk grain shall be baled for export with a minimum 14 gauge steel wire, or a minimum of 3/8 inch wide by 0.015 inch thick steel strapping, or minimum 1/2 inch polypropylene strap of sufficient strength to

withstand export distribution. The wire or straps shall be positioned as follows:

Five (5) girth wires approximately equal distance apart. The bags shall be baled in a manner that would protect the finished product during storage and shipment.

C. Required dimensions and counts shall be verified by in-plant quality control processes.

Section 1.7 TWINE SPECIFICATIONS

- A. Hand sewing twine shall meet the following minimum requirements:
 - (1) 10 or 12 ply, 4 inch cotton sail twine,
 - (2) 2,100 ft./lb. polypropylene twine with an average tensile strength of 55 pounds,
 - (3) Twine in 50 pound many-end rolls.
- B. Machine sewing, high speed twine, on 8-ounce cones shall meet the following minimum requirements:
 - (1) 0.97 pound, 13/4 ply polyester per 1,000 bags, or
 - (2) 1.12 pound, 12/4 ply polyester-cotton per 1,000 bags.

Section 1.8 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

Independent or private laboratories known to be capable of conducting the performance test for impact resistance described in Section 1.8 are as follows:

Lansmont Corporation Rutgers University Packaging Science and 1287 Reamwood Sunnyvale, CA 94089 Engineering Dept. (408) 734-9724 P.O. Box 909 Piscataway, NJ 08854 (201) 932-3679 **Lansmont Corporation** 6539 Westland Way, Suite 24 Lansing, MI 48917 (888) 526-7666 www.lansmont.com Michigan State University Ten-E Packaging Services, Inc. School of Packaging 1666 County Road 74 East Lansing, MI 48824-1223 Newport, MN 55055 (517) 355-9580 (651) 459-0671 http://packaging.msu.edu/ www.ten-e.com

Section 1.9 TEST FREQUENCY

- A. All testing specified shall be performed and documented to qualify a fabric/bag construction for approval by the Government and in accordance with the frequencies outlined below. The fabric construction and test results shall be submitted to the Government for review. All approvals will be confirmed in writing.
- B. The air permeability and ultraviolet resistance tests shall, as a minimum, be performed annually and when a change in the formulation/process 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/process of the fabric is being made. This testing shall be performed in accordance with all contract requirements, including the specified temperature and humidity.
- E. The Government will periodically require contractors to submit Declaration Sheets which describe the construction, origin, and test results of approved fabric/bags. Declaration sheets shall also be submitted when a change in the formulation/process of the fabric is being made. A blank Declaration Sheet can be

- obtained from KCCO/Bulk Commodities Division or available at the Government's Public eForm web site at: http://www.sc.egov.usda.gov.
- F. 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.
- G. The Government will periodically obtain samples of bags produced under the contract and submit the samples for testing to verify that the bags were produced in accordance with the contract requirements. The Government will be responsible for the cost of testing bags determined to be constructed in compliance. Contractors will be responsible for the cost of testing bags determined not to be in compliance and for the in-plant audits by Government personnel to determine if corrective actions have been taken.
- H. A change in the formulation/design of the fabric requires approval by the Government, in writing, in accordance with Section 1.2.

Part 2 MARKING REQUIREMENTS

Section 2.1 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 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.
- D. The USAID logo shall be printed in the same style as shown in the markings exhibits, sized approximately 6 1/4 inches in diameter. The USDA logo shall be 5 1/2 inches high and 7 3/4 inches in total width. See exhibits.
- E. 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.

- F. 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
- G. The symbol indicating "USE NO HOOKS" shall be 2 3/4 inches in height. See exhibits.
- H. The US Flag shall be 7 inches high and 12 3/4 inches in total width, on the back of the applicable bag. See exhibits.
- I. 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. The language markings for LMR-2 and LMR-6 should be sized to fit as shown in the exhibits.
- J. Lot numbers, production codes or any other means of identification required to meet traceability requirements shall be as small as possible, yet legible.

Section 2.2 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: USA with stripes, 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: US Flag in place of the USA with stripes, otherwise same as 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: USA with stripes, the commodity name, USAID logo, contract number, net weight, dimensions, "SMR-3," and use no hooks symbol. See exhibit SMR-3, front.

Back: US Flag in place of the USA with stripes, otherwise, same as 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: USA with stripes, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USAID logo, contract number, net weight, dimensions, and "LMR-1" and use no hooks symbol. 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: USA with stripes, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USAID logo, contract number, net weight, dimensions, and "LMR-2" and use no hooks symbol. 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: USA with stripes, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USAID logo, contract number, net weight, dimensions, and "LMR-3" and use no hooks symbol. 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: USA with stripes, the commodity name, the words "NOT TO BE SOLD OR EXCHANGED," USAID logo, contract number, net weight, dimensions, and "LMR-4" and use no hooks symbol. See exhibit LMR-4, front.

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

<u>Language Marking Requirement #5 (LMR-5)</u>

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" and use no hooks symbol. 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" and use no hooks symbol. 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" and use no hooks symbol. 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" and use no hooks symbol. 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 2.3 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.

Section 2.4 BAG MANUFACTURERS' IDENTIFICATION

Bag maker's name, identifying symbol, code or trade name may appear on each bag as small as possible, yet legible. If identifying symbols, code or trade names are used, they shall be placed on record with:

Textile Bag and Packaging Association Attn: Connie McCuan-Kirsch P.O. Box 286 Harrison, OH 45030 and USDA/FSA/DACO

Room 5755 South Bldg., Stop 0551 1400 Independence Avenue SW Washington, D.C. 20250-0551 Attn: Packaging

Section 2.5 VERIFICATION OF MARKINGS

The contractor shall supply the Government with one sample bag from each contract purchased hereunder for bag marking specifications. Mail bag to:

Kansas City Commodity Office Bulk Commodities Division/IMB, Stop 8748 6501 Beacon Drive Kansas City, MO 64133-4676

Section 2.6 CONTAINERS WITH INCORRECT MARKINGS

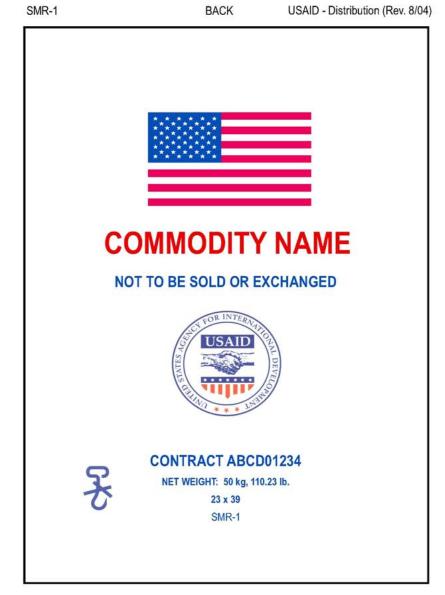
- A. Any labels, bags, cans, can lids, cases, or any other type of packaging (hereinafter referred to as "containers") displaying incorrect markings may be used under a Government contract provided that the incorrect markings are obliterated and correct markings are applied in a permanent manner with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

List of Commodity Names Printed on 50 Kilogram Woven Polypropylene Bags

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

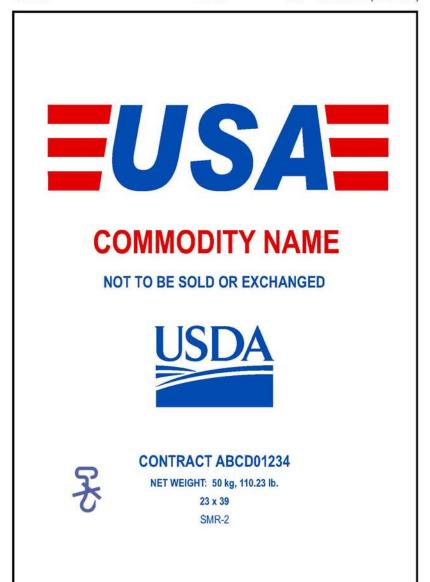
USAID - Distribution (Rev. 8/04) SMR-1 FRONT **EUSA COMMODITY NAME** NOT TO BE SOLD OR EXCHANGED **CONTRACT ABCD01234** NET WEIGHT: 50 kg, 110.23 lb. 23 x 39 SMR-1



SMR-2 FRONT FAS - Distribution (Rev. 8/04)

SMR-2

FAS - Distribution (Rev. 8/04)

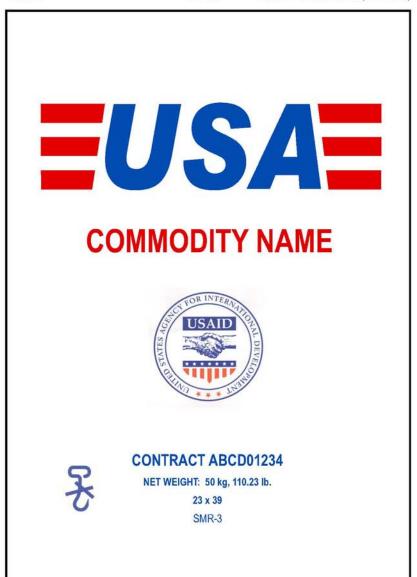


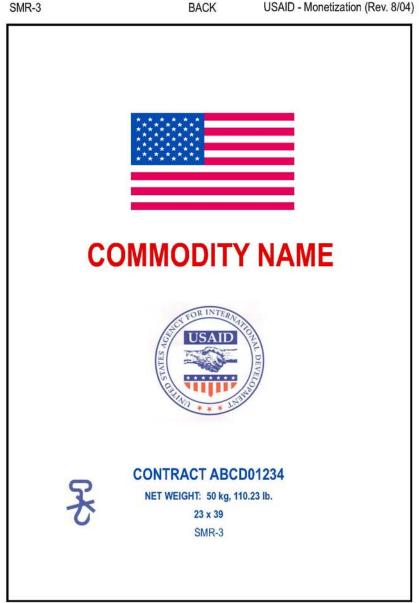


BACK

SMR-3 **FRONT** USAID - Monetization (Rev. 8/04) SMR-3

USAID - Monetization (Rev. 8/04)





SMR-4 FRONT Monetization (Rev. 8/04) SMR-4 BACK Monetization (Rev. 8/04)



COMMODITY NAME



CONTRACT ABCD01234

NET WEIGHT: 50 kg, 110.23 lb. 23 x 39

SMR-4



COMMODITY NAME



CONTRACT ABCD01234

NET WEIGHT: 50 kg, 110.23 lb. 23 x 39

SMR-4

LMR-1 FRONT

USAID - North Korea (Rev. 8/04)

BACK

LMR-1

North Korea (Rev. 8/04)



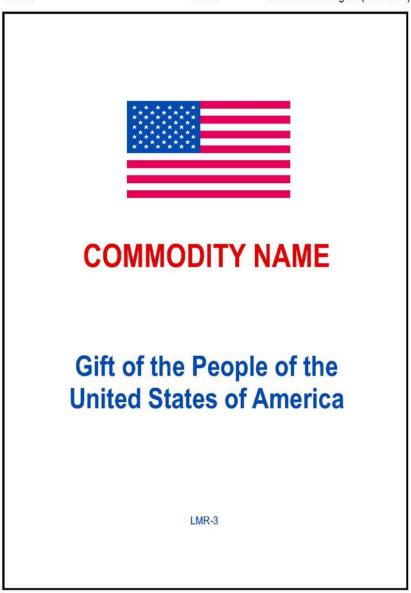


LMR-2





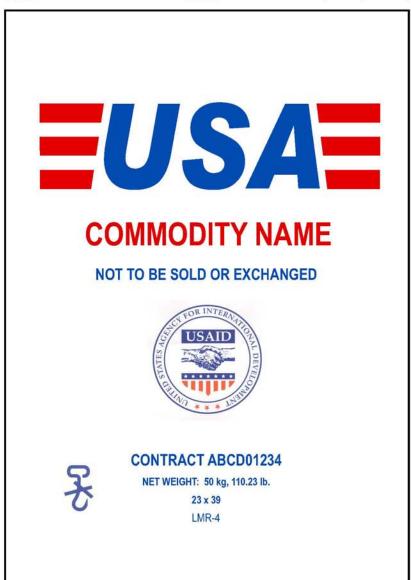




LMR-4 FRONT USAID - Iraq-Arabic (Rev. 8/04)

LMR-4 BACK

Iraq-Arabic (Rev. 8/04)





FRONT FAS - North Korea (Rev. 8/04) LMR-5

LMR-5



COMMODITY NAME

NOT TO BE SOLD OR EXCHANGED

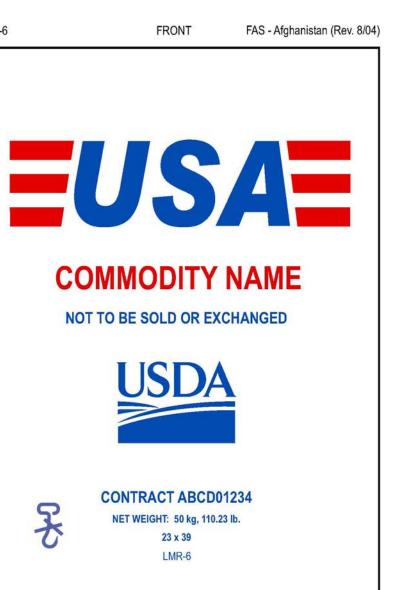


CONTRACT ABCD01234

NET WEIGHT: 50 kg, 110.23 lb. 23 x 39

LMR-5







Afghanistan - Pashtu & Dari (Rev. 8/04)

COMMODITY NAME

د امریکا د متحده ایالاتو 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

LMR-8 FRONT FAS - Iraq - Arabic (Rev. 8/04)

LMR-8 BACK

Iraq - Arabic (Rev. 8/04)



