

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-344
Item to be Scouted	4 Liter(L) Steel Can
Days to be scouted	30
Response Due By	12/07/2024
Description	<p>Client is looking for a supplier of 4 Liter(L) steel can with government required markings added. 4-Liter (603) metal cans with a center fill hole must accommodate 3.7 kg of fortified vegetable oil. The supplied can is used to ship fortified vegetable oil for international humanitarian food aid. The oil is used in cooking and fortified with vitamins A & D for health benefits.</p> <p>!! The client requested not to contact the following companies: Incobrasa, Stratus, United Oil</p>
Notify Requester Immediately	No
State item to be used in	Iowa

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	cutting and shaping, forming the can body, welding or seaming, stamping/printing, flanging, coating, adding the bottom, and sterilization.

Provide dimensions / size / tolerances / performance specifications for the item	<p>A. All containers and packaging shall be constructed to meet the requirements of the Food and Drug Administration (FDA) for safe contact with the food 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.</p> <p>B. 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 such as, but not limited to, “Made in [Name of Foreign Country]” or “Product of [Name of Foreign Country]” are strictly prohibited.</p> <p>- Packaging Functionalities:</p> <p>(1) Closures of the 4-liter cans/bottles:</p> <ul style="list-style-type: none"> • May be re-closable upon first opening to avoid situations in which fortified vegetable oil and micronutrients (i.e., Vitamin A and Vitamin D) can undergo accelerated oxidation or cross-contamination with the surrounding environment. • Shall provide a tamper-proof mechanism such as a membrane that the user would have to puncture, which will also prevent leaks, or similar mechanism approved by the contracting agency. • May be placed such that they facilitate dispensing the oil upon opening (maximize pourability) to avoid the need for end users to create other openings on the lid. • Shall be securely closed to prevent product tampering and to protect the product from leaking during long periods of stacking in warehouses and ocean-going vessels. <p>(2) 4-liter cans/bottles shall be packaged in only one type/size per contract.</p> <p>- Primary Container Types/Sizes:</p> <p>(1) 4-Liter Metal Cans</p> <ul style="list-style-type: none"> • 4-Liter (603) metal cans must be used and accommodate 3.7 kg of fortified vegetable oil. <p>(2) 4-Liter Plastic Bottles</p> <ul style="list-style-type: none"> • 4-Liter plastic bottles shall be sized to accommodate 3.7 kg of fortified vegetable oil. • Plastic bottles shall be light blue in color, as close to PMS 291 as possible. • The utilization of plastic bottles is limited. Plastic bottles shall be specified within the solicitation.
List required materials needed to make the product, including materials of product components	<p>the tin comes pre-printed. The machine to make cans is fed with steel sheets, bottoms, and lids.</p> <p>For more information: https://www.ams.usda.gov/sites/default/files/media/VO16_CRD_January_2022.pdf</p>
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	Please see attached document for applicable regulations
Are there any other standards, requirements, etc.?	Yes
Details	Please see attached document for other standards, requirements
NAICS 1	
NAICS 2	

Additional Technical Comments	<p>IMPORTANT!</p> <p>The client requested not to contact the following companies: Incobrasa, Stratus, and United Oil</p>
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Section 4: Business Information

Estimated potential business volume	Orders are placed every 2-weeks. Client's operation requires approximately 1.6M cans per year.
Estimated target price / unit cost information (if unavailable explain)	\$1.60 per can or less
When is it needed by?	ASAP
Describe packaging requirements	<p>Cans per pallet 640 Pallets per truck 24 Cans per truck 15,360</p> <p>Cans are palletized on a returnable plastic pallet with slip sheets between layers and a top frame. The skids are stretch wrapped prior to shipment.</p>
Where will this item be shipped?	Cedar Rapids, Iowa

Additional Comments

Is there other information you would like to include?	<p>Here is a link to the government specifications. https://www.ams.usda.gov/sites/default/files/media/VO16_CRD_January_2022.pdf</p>
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U.S. DEPARTMENT OF AGRICULTURE

Agricultural Marketing Service
Commodity Procurement Program
International Commodity Procurement Division
1400 Independence Ave. SW
Room 3522-S, STOP 0239
Washington, DC 20250-0239

(VO16)
USDA COMMODITY REQUIREMENTS
VEGETABLE OIL PRODUCTS
FOR USE IN
INTERNATIONAL FOOD ASSISTANCE PROGRAMS

Effective Date: [January 19, 2022](#)

Document Revision History: This VO16 commodity requirements document supersedes the VO15 commodity requirements document, dated August 5, 2015.

USDA is an equal opportunity provider, employer, and lender.

(VO16)
Vegetable Oil Products

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LIST OF ABBREVIATIONS AND ACRONYMS

Below is an Abbreviations Key to the numerous specialized acronyms and abbreviations used in this reference material.

AMS	Agricultural Marketing Service
CID	Commercial Item Description
COA	Certificate of Analysis
Fahrenheit	F
FAS	Foreign Agricultural Service
FDA	Food and Drug Administration
FPAC	Farm Production and Conservation
FSA	Farm Service Agency
Ft	Feet
Gram	G
ICPD	International Commodity Procurement Division
IU	International Units
Kg	Kilogram
LMR	Language Marking Requirement
Meq	Milliequivalent
PMS	Pantone Matching System
SMR	Standard Marking Requirement
USAID	United States Agency for International Development
USDA	United States Department of Agriculture
VO	Vegetable Oil Products
WBSCM	Web Based Supply Chain Management System

CONTACT INFORMATION

**Agricultural Marketing Service (AMS), Commodity Procurement Program (CPP)
International Commodity Procurement Division (ICPD)
Phone: 816-926-6707 (During Normal Business Hours)**

Mailing Address:

United States Department of Agriculture/Agricultural Marketing Service
Attention: CPP/ICPD
Mailstop 8738
P.O. Box 419205
Kansas City, MO 64141-6205

Express Delivery:

United States Department of Agriculture/Agricultural Marketing Service
Attention: CPP/ICPD
Mailstop 8738
2312 East Bannister Road
Kansas City, MO 64131-3011

USDA Website:

<http://www.usda.gov/wps/portal/usda/usdahome>

Web-Based Supply Chain Management (WBSCM)

WBSCM Helpdesk Level 1-Technical Issues

Phone: 877-WBSCM-4U or 877-927-2648 (During Normal Business Hours)
Email: WBSCM.servicedesk@caci.com

AMS International Helpdesk Level 2-Functional Issues (i.e., New Vendor, Bid, Invoice Issues)

Email: WBSCMAMSHelpdesk@USDA.gov

First time, Registered Users Only:

Service Desk email address is WBSCM.servicedesk@caci.com.

On the Log-in prompt enter your email address for both the *User ID* and *Password* (all lower case for password) fields, and then change your password when prompted.

If you have any questions, please contact the WBSCM Service Desk at:

Phone: 877-WBSCM-4U or 877-927-2648

Email: WBSCM.servicedesk@caci.com

Part 1 PRODUCT DESCRIPTION

Fortified Vegetable Oil is made from refined, bleached, deodorized, filtered, and purified oils, including canola (rapeseed), corn (maize), cottonseed, olive, safflower, soybean, sesame, and sunflower oil (including Mid-Oleic NuSun oil) with added Vitamins A and D. Fortified Vegetable Oil is packaged in containers suitable for use by the United States (U.S.) Government, humanitarian agencies, and non-governmental organizations. Fortified Vegetable Oil may be used in climatic extremes from the arctic to tropical zones in development and emergency food assistance programs.

Section 1.1 VEGETABLE OIL SPECIFICATIONS¹

- A. The vegetable oil shall be refined, bleached, filtered, and deodorized and shall consist of any one or a combination of the following types of oils, unless a certain type is specified in the solicitation, contract, or purchase order: canola (rapeseed), corn (maize), cottonseed, olive (refined), safflower, soybean, sesame, sunflower (including Mid-Oleic NuSun oil).
- B. The vegetable oil shall meet the requirements as specified in the Commercial Item Description (CID) for salad oils (vegetable), A-A-20091E, dated April 14, 2021, which is available at: https://www.ams.usda.gov/sites/default/files/media/AA20091E_Salad_Oils%2C_Vegetable.pdf
- C. The vegetable oil shall be Type I as identified in Paragraph A and comply with Type I requirements for all contracts unless otherwise specified in the solicitation.
- D. The vegetable oil shall be clear and brilliant when held at 21.1°C to 29.4°C (70°F to 85°F). Heavy metal scavengers, antifoaming agents, and antioxidants may be added, provided levels of use are in accordance with appropriate Food and Drug Administration (FDA) Regulations.
- E. The vegetable oil shall have a light viscosity and a clean, fresh flavor, without a heavy oily mouth-feel and shall be free from rancid, beany, paint, sour, or other objectionable flavors and/or odors.
- F. See CID A-A-20091E, referenced above, for test procedures.

Section 1.2 FORTIFICATION & ANTIOXIDANTS

- A. Vegetable oil shall be fortified with a premix containing Vitamin A (retinol palmitate) and Vitamin D (D3 as cholecalciferol). Micronutrient premixes shall be procured from a GAIN-approved premix facility: <https://gpf.gainhealth.org/suppliers/current-suppliers>. The amount of premix to be added should be sufficient so that Vitamin A will be added at the rate of 26-40 mg/kg (86,658-133,320 IU/kg) and Vitamin D added at the rate of 0.3-0.69 mg/kg (12,000-27,600 IU/kg), as analyzed in the finished product (Table 2).²
- B. Vegetable oil may contain the following antioxidants: Butylated Hydroxyanisole (BHA), Butylated

¹ Supplemental documents include: *USG Vegetable Oil Specification Revision – A Justification Paper*, USAID FFP, April 2018. Copies can be requested from the U.S. Government procurement officer; *Food aid packaging challenges and opportunities: A review of the packaging of fortified vegetable oil, corn soy blend, and super cereal Plus*, a report from the Food Aid Quality Review, September 1, 2018. *Accelerated shelf-life studies: Methods and results relating to new and upgraded food aid products*. A report from the Food Aid Quality Review, April 2015.

² To be implemented within 6 months after issuance of this commodity requirements document, VO16.

Hydroxytoluene (BHT), or Tertiary Butyl Hydroquinone (TBHQ). Maximum use levels are shown in Table 1. If used, antioxidant and use level shall be evidenced on the COA.

Table 1: Antioxidants and Maximum Use Level

Antioxidant ³	Maximum Use Level ⁴
Butylated Hydroxyanisole (BHA)	175 mg/kg
Butylated Hydroxytoluene (BHT)	75 mg/kg
Tertiary Butyl Hydroquinone (TBHQ)	120 mg/kg
Any combination of gallates, BHA, BHT, or TBHQ	Not to exceed 200 mg/kg within individual limits above.

Section 1.3 QUALITY ASSURANCE

- A. The Contractor shall be responsible for implementation of preventive food safety and quality assurance measures, in compliance with the FDA Food Safety Modernization Act (FSMA) for processed foods, using a HACCP-based approach, to ensure delivery of safe and conforming product. Applicable food safety and quality standards include, but are not limited to:
- (1) Compliance with the U.S. Food and Drug Administration (FDA) Regulations and the Food Safety Modernization Act (FSMA)
 - (2) CODEX Standard for Named Vegetable Oils: CODEX STAN 210-1999
 - (3) CODEX General Principles for Addition of Essential Nutrients to Foods: CAC/GL 09-1987, Rev. 2015
 - (4) CODEX Recommended International Code of Practice, General Principles of Food Hygiene: CAC/RCP 1-1969, Rev.4-2003
 - (5) CODEX General standard for contaminants and toxins in food and feed: CODEX STAN 193-1995
 - (6) CODEX General standard for food additives: CODEX STAN 192-1995
 - (7) CODEX General Standard for the Labelling of Prepackaged Foods: CODEX STAN 1-1985

Note: Latest versions should be applied for all relevant standards where applicable.

- B. Specific quality control measures must be established and implemented to ensure that food and food packaging materials are safe and suitable for intended use, including but not limited to:

³ As an intentional additive to the oil, used antioxidants should appear in the label in accordance with Codex Standard <http://www.fao.org/docrep/005/Y2770E/y2770e02.htm>

⁴ The maximum use levels for antioxidants are derived from the CODEX Alimentarius, CODEX STAN 210-1999 http://www.fao.org/fao-who-codexalimentarius/sh-proxy/it/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCODEX%252FBSTAN%252B210-1999%252FCXS_210e.pdf

- (1) The Contractor shall perform continuous product monitoring, including food safety and quality analysis, net weight compliance monitoring, and packaging integrity monitoring to ensure that the product meets the commodity specifications.
- (2) Contractors shall have evidence of machine qualification, appropriate mixing capability, and validation of the manufacturing process (demonstrate process capability with statistical process control).

C. Certificates of Analysis (COA)

- (1) Required product testing and quality analysis must be conducted on the finished fortified product to ensure that the product meets the commodity specifications. Results shall be evidenced by a Certificate of Analysis (COA) for the Fortified Vegetable Oil. The COA must be issued with data generated by a third-party ISO 17025-certified⁵ or a USDA laboratory and is required for invoice payment pursuant to the Invoicing Requirements clause of the contract⁶. The COAs shall provide the name of the specific vegetable oil type used and the results of all tests specified (Table 2) and be included in the invoice package. Any factor not meeting contractual requirements shall be identified by an asterisk on the COA.
- (2) Contractors shall notify the U.S. Government immediately of lots that fail to meet contract requirements. Products that do not meet specifications may be rejected.
- (3) Micronutrient premixes shall be delivered to the contractor with a complete Certificate of Analysis (COA) as well as a Proof of Purchase of premixes, to be included in the invoice package.
- (4) Unless otherwise specified, test methods for the finished product, and any ingredients therein, shall be those of the AOAC International, the American Association of Cereal Chemists (AACC), or the American Oil Chemists' Society (AOCS), as applicable and in effect on the date of issuance of the solicitation, or in accordance with methods that give equivalent results.
- (5) Lot size shall be defined by the supplier based on their production capability, throughput, and risk tolerance. The USDA Processed Commodities Handbook may be used as a reference:
<https://www.ams.usda.gov/sites/default/files/media/ProcessedCommoditiesHB.pdf>

D. Compliance and Auditing

The U.S. Government will perform audits in processing facilities to verify compliance with the above systems. The U.S. Government usually carries out annual comprehensive audits as well

⁵ The ISO 17025 lab certification scope shall include the specific methods for the analyses required in the CoA.

⁶ The CoAs must be compliant with the third-party ISO 17025 or USDA lab requirement within 12 months after CRD VO16 issuance.

as unannounced routine inspections. Audit services are provided by USDA/AMS on a user-fee basis. Cost estimates and arrangements for audits can be obtained by contacting USDA/AMS⁷.

E. Contaminants

Fortified Vegetable Oil shall comply with the maximum levels of the General Standards for Contaminants and Toxins in Food and Feed (CODEX STAN 193- 1995), as well as comply with the requirements listed in Table 2.

F. Shelf Life

Considering the handling throughout the lengthy supply chain of fortified vegetable oil to be used in international nutrition programs, the expected best used by date is eighteen (18) months from the date of packaging (or fortification in the case of bulk oil).⁸ The following shall be retained for the shelf-life of the product⁹:

- A sample of oil from each production lot
- Packaging samples (can, closure, box, etc.) from each packaging production lot (from an outside supplier or produced in-house)
- A photo of the labeling/markings in the case that a physical packaging sample with markings from each lot is not saved

G. Fill weight variation

Fill weight variation shall comply with the National Institute of Standards and Technology (NIST) Maximum Allowable Variation (MAV) for the applicable packaging size found in Table 2-5 of Appendix A of NIST Handbook 133 – Checking the Net Contents of Packaged Goods.¹⁰

⁷ USDA/AMS/SCP/SCI Audit Services Branch <https://www.ams.usda.gov/services/sci-contacts>

⁸ The shelf life reference in this specification (18 months) is based on the food safety and overall quality of the fortified vegetable oil, not on the shelf life of added micronutrients. Micronutrient payload in the fortified vegetable oil must take into account any corresponding dosage of micronutrients to offset any losses throughout the supply chain, for which accelerated shelf-life studies are required. Ongoing effort/evidence regarding packaging and micronutrient stability is being gathered to more accurately quantify shelf life of micronutrients.

⁹ The size of retained oil sample is at the supplier's discretion; retained oil does not have to be the full packaging size but should be enough volume for subsequent analysis if needed.

¹⁰ <https://www.nist.gov/system/files/documents/2017/04/28/08-appa-11-hb133-final.pdf>

Table 2: Vegetable Oil Analytical Requirements and Reference Methods

Description	Required Level after Fortification	Reference Method ¹¹
Vitamin A	26-40 mg/kg (86,658-133,320 IU/kg) ¹²	EN 12823-1:2014
Vitamin D ¹³	0.3-0.69 mg/kg (12,000-27,600 IU/kg) ¹²	EN 12821:2009
Organoleptic	Clean, fresh flavor, and absent of foreign flavors and odors	
Free fatty acids as oleic, by weight	0.05% maximum	AOCS-Ca 5a-40
Peroxide Value	1.0 milliequivalents maximum per kg	AOCS-Cd8b-90, AOAC 965.33
Color (Lovibond)	3 red & 20 yellow maximum	AOCS-Cc 13e-92, Cc13j-97
Stability (Oil Stability Index)	5 hours at 110°C minimum	AOCS-Cd 12b-92
Lead ¹⁴	0.08 mg/kg maximum	Ca 18c-91, Ca 17a-18, AOAC 994.02, 2013.06
Arsenic ¹⁴	0.1 mg/kg maximum	AOAC 2013.06
Oleic acid content (Mid-oleic sunflower seed oil, NuSun only)	55.0% minimum	

¹¹ Or equivalent

¹² If implemented, values for nutritional labeling would be 20 mg/kg (66,660 IU/kg) vitamin A and 0.23 mg/kg (9600 IU/kg) vitamin D, or the equivalent in other units, which incorporates estimated loss over the shelf-life.

¹³ The new vitamin D analytical requirement must be implemented within 12 months after CRD VO16 issuance.

¹⁴ Testing is not mandatory for lot release, but supplier monitoring is required and should be based on a HACCP-based risk analysis. Suppliers are to work with the USG contracting officer and food technologists to outline an appropriate monitoring plan.

Part 2 CONTAINER AND PACKAGING REQUIREMENTS¹⁵

Section 2.1 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 food 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.
- B. 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 such as, but not limited to, “Made in [Name of Foreign Country]” or “Product of [Name of Foreign Country]” are strictly prohibited.
- C. Packaging receiving protocols shall be established and implemented to assure materials are safe and suitable for intended use.¹⁶
- D. USAID and USDA support environmental sustainability. The use of recycled and other materials, and design for minimal packaging use, to improve environmental sustainability can be considered providing that the performance requirements are met, and the material used is compliant with the FDA regulation for food contact materials.

Questions concerning the containers and materials should be directed to:

USAID/BHA	USDA/AMS
555 12 th St NW Washington, DC 20004 ATTN: Nutrition & Food Technology Team bha.tpq.foodtech@usaid.gov	International Commodity Procurement Division P.O. Box 419205, Mailstop 8738 Kansas City, MO 64141-6205 AMS-IntlCommSpec@usda.gov

¹⁵ Any agreed primary packaging besides 603 cans, and corresponding secondary containers and palletization, shall be aligned on with U.S. Government contracting officer, transportation, and food technologists in advance of investment, installation, or production to ensure they are logistically compatible with existing commodities and practices within the supply chain. Primary container shape shall be designed to optimize transport loading and storage.

¹⁶ Including in-house, supplier-produced packaging.

Section 2.2 PRIMARY CONTAINERS

All primary packaging containers shall be clean, sanitary, and suitable for Fortified Vegetable Oil.

A. Packaging Functionalities:

(1) Closures of the 4-liter cans/bottles:

- May be re-closable upon first opening to avoid situations in which fortified vegetable oil and micronutrients (i.e., Vitamin A and Vitamin D) can undergo accelerated oxidation or cross-contamination with the surrounding environment.
- Shall provide a tamper-proof mechanism such as a membrane that the user would have to puncture, which will also prevent leaks, or similar mechanism approved by the contracting agency.
- May be placed such that they facilitate dispensing the oil upon opening (maximize pourability) to avoid the need for end users to create other openings on the lid.
- Shall be securely closed to prevent product tampering and to protect the product from leaking during long periods of stacking in warehouses and ocean-going vessels.

(2) 4-liter cans/bottles shall be packaged in only one type/size per contract.

B. Primary Container Types/Sizes:

(1) 4-Liter Metal Cans

- 4-Liter (603) metal cans must be used and accommodate 3.7 kg of fortified vegetable oil.

(2) 4-Liter Plastic Bottles

- 4-Liter plastic bottles shall be sized to accommodate 3.7 kg of fortified vegetable oil.
- Plastic bottles shall be light blue in color, as close to PMS 291 as possible.
- The utilization of plastic bottles is limited. Plastic bottles shall be specified within the solicitation.

(3) 20-Liter Pails

- 20-liter round tight-head steel pails shall be sized to accommodate 18.5 kg of fortified vegetable oil.
- The interior of the pails shall be coated with a rust inhibitor which meets FDA guidelines for safe contact with vegetable oil.
- A collapsible handle shall be fixed to the top of the pails for ease in handling.

(4) 208-Liter Drums

- 208-liter tight-head steel drums shall be sized to accommodate 194.5 kg of fortified vegetable oil on average (depending on temperature).
- The interior of the drums shall be coated with a rust inhibitor, which meets FDA guidelines for safe contact with vegetable oil.

(5) Bulk Oil

If requested, fortified bulk oil may be solicited for use in emergency or development programs.

Section 2.3 SECONDARY CONTAINERS

- A. 4-liter primary containers (metal cans or plastic bottles) shall be packed in corrugated fiberboard secondary containers, six per container.
- B. The secondary container shall conform to Rule 41, as amended, of the Uniform Freight Classification Rules and Regulations, and shall be sized to minimize headspace between the top of the primary containers and the closed flaps of the secondary container.
- C. Secondary container flaps shall be securely closed with suitable adhesive to prevent lifting of free edges or corners of outer flaps during transport, international distribution, stacking and storage (under the high temperature and relative humidity conditions of the typical supply chain).
- D. The secondary containers shall be marked to show the maximum safe stacking height. This shall be expressed as follows: "Do not stack above _____ tiers per pallet, _____ pallets high."

Section 2.4 PALLET REQUIREMENTS

- A. When palletization is utilized for 4-liter cylindrical 603 cans, as a result of either being required in the solicitation or for the contractor's convenience, the following palletization requirements, as outlined in the Notice to the Trade below, and available on the USAID website, must be utilized: https://procurement.usaid.gov/sites/default/files/notice_to_the_trade_-_veg_oil_palletization.pdf
- B. 4-L container sizes other than 603 cans or any other agreed upon packaging, and corresponding secondary containers and palletization, shall be aligned on with the U.S. Government contracting officer, transportation, and food technologists in advance of production to ensure they are logistically compatible with existing commodities and practices within the supply chain. Any new standard pallet arrangement requirements determined will be specified in the solicitation/contract after development.

Section 2.5 MATERIAL AND PERFORMANCE REQUIREMENTS

- A. All primary and secondary packaging containers shall be durable enough to withstand long periods of stacking in warehouses and ocean-going vessels.
- B. Individual 4-liter metal cans shall have a minimum top-to-bottom compression strength load of 1200 pounds (per Test Method ASTM D642).
- C. The filled 4-liter cans/bottles shall survive a single drop test from three (3) feet high without fracturing or leakage of product contained within when tested in accordance with Test Method ASTM D5276.
- D. 20-liter pails shall meet the UN1A/Y1.4/250, as a minimum.

- E. All containers (primary and secondary) shall accept and retain printing ink, including barcode, lot code, production date and best used by date, that will not rub or flake off to a degree where legibility is impaired.
- F. Closures shall be capable of withstanding temperature extremes of at least 150° F without product leakage.
- G. Considering the harsh handling, humid conditions, storage time and stacking of vegetable oil, secondary container strength shall be determined by the edge crush test (ECT) (ISO 3037 or equivalent).
- H. Final product (filled containers and secondary containers) compression strength shall be determined (ISO 12048 or equivalent).
- I. The Contractor shall use any independent or private laboratory capable of conducting the tests described above.
- J. Test Frequency: All specified testing shall be performed and documented every time a change in the formulation/design of the packaging is made.
- K. Full compliance with these performance requirements includes but is not limited to: full documentation of procedures, consistent performance of documented procedures, and completion and retention of all applicable records, to be made available for review by the U.S. Government for a minimum of three years after final payment under the contract.

Part 3 MARKING REQUIREMENTS

Section 3.1 STANDARD MARKINGS

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

For **sunflower seed oil** and **corn oil**, any reference below, including the exhibits, to “**REFINED VEGETABLE OIL**” shall be replaced with the applicable product name:

“**REFINED SUNFLOWER SEED OIL**”
“**REFINED CORN OIL**”

- A. 4-Liter (603) Cans
 - (1) Standard marking and color requirements for use in U.S. Agency for International Development (USAID) programs are referred to as “SMR-1” and are shown in Exhibit A. The USAID brand shall be printed in the same style as shown in Exhibits.
 - (2) Standard marking requirements for use in Foreign Agricultural Service (FAS) programs are

referred to as “SMR-2” and are shown in Exhibit B. For standard marking requirements for use in FAS programs, contractor shall use Exhibit A and omit the flag and the USAID brand (logo and “USAID From the American People”) and replace the flag with three stripes and “USA” as depicted in Exhibit B. The letters USA shall be in Univers black (75) oblique or Helevetica extra bold with 70% scaling and 70 tracking or equivalent as depicted in Exhibit B. The stripes shall be 7/16 inches high and shall extend around the can. The “USA” logo shall be 2 inches high and 1 ½ inches in width.

- (3) The natural background of the tin-plated can shall be used. Pressure sensitive or other labels are not acceptable. Any markings not shown in the Exhibits shall be marked in blue or black.
- (4) All dimensions are approximate. All printing shall be lithographed in indelible ink directly on the can. Unless otherwise specified all characters shall be in normal block print.
- (5) The applicable contract number shall be printed on each can.

B. 4-Liter Plastic Bottles

- (1) Standard marking and color requirements for use in USAID programs are referred to as “SMR-1” and are shown in Exhibit C. The USAID brand shall be printed in the same style as shown in the Exhibits.
- (2) Standard marking requirements for use in Foreign Agricultural Service (FAS) programs are referred to as “SMR-2” and are shown in Exhibit B. For standard marking requirements for use in FAS programs, contractor shall use Exhibit C and omit the flag and the USAID brand (logo and “USAID From the American People”). The letters USA and stripes should replace the flag as depicted in Exhibit B. The USA letters should be 1.0” high and 4.0” wide. The stripes shall also be 1.0” high and extend to the edge of the label.
- (3) Pressure-sensitive labels are acceptable. Any markings not shown on the Exhibit C shall be marked in blue or black. When printed on the plastic bottle, the colors blue and red shall match the PMS chart numbers 294 and 200, respectively, to the extent practicable.
- (4) All dimensions are approximate. The size of graphics and markings are indicated in the individual Exhibits.
- (5) The applicable contract number shall be printed on each bottle.

C. [Secondary Containers](#) for All 4-Liter [Cans and Bottles](#)

- (1) Standard marking and color requirements for secondary containers for use in USAID programs are provided in Exhibits D and E. The USAID brand shall be printed in the same style as shown in the Exhibits.
- (2) For standard marking and color requirements for secondary containers for use in FAS programs, contractor shall use Exhibit D and omit the USAID brand (logo and “USAID

From the American People”), and replace the flag with three stripes and “USA” as depicted in Exhibit B. The letters USA shall be in Univers black (75) Oblique or Helvetica extra bold with 70% scaling and 70 tracking or equivalent and be 3 inches high and 6 inches in total width. The stripes shall be each 5/8 inches high, shall begin ¼ inch from the letters USA and extend to ½ inch from the edge of the box panel.

- (3) The contract number, net weight and gross weight shall be printed on alternate panels of each secondary container in the size and font required in Exhibit D. Arrows shall not be printed on the top of shipping cartons. Additional identifying markings shall be printed on the top of shipping cartons including agency branding and U.S. Flag graphics.
- (4) The corrugated fiberboard secondary containers shall be marked in the color as specified in Exhibits D or E. The natural background of the brown corrugated container shall be used. Pressure-sensitive or other labels are not acceptable. Any markings not shown on the Exhibits shall be marked in blue or black.
- (5) All dimensions are approximate. All printing shall be printed in indelible ink directly on the box. Unless otherwise specified, all characters shall be in normal block print.
- (6) The arrows above “THIS END UP” shall be ½ inch high.
- (7) If H-style Bliss secondary container is used, markings shall conform to the requirements of this section, Exhibit D and the end panels shown in Exhibit E. For standard FAS “SMR-2” markings, omit the USAID brand (logo and “USAID From the American People”), and replace the flag with three stripes and “USA” as depicted in Exhibit B. Each stripe shall be 5/8 inch high.

D. 20-Liter Pails

- (1) Standard marking requirements for use in USAID programs are referred to as “SMR-1” and are shown in Exhibit F. The USAID brand shall be printed in the same style as shown in the Exhibits.
- (2) For standard marking requirements for use in FAS programs, “SMR-2”, contractor shall use Exhibit F and omit the flag and the USAID brand (logo and “USAID From the American People”) and replace the flag with three stripes and “USA” as depicted in Exhibit B. The letters USA shall be Univers black (75) oblique or Helvetica extra bold with 70% scaling and 70 tracking or equivalent at 3-½ inches high and 7 inches in total width. The stripes shall be each 11/16 inches high, shall begin ½ inch from the letters USA and extend around the pail.
- (3) The color of the pail itself shall be white for SMR-1 markings and a light blue, as close to PMS 291 as possible, shall be used for all other markings. Any markings not shown on the Exhibit shall be marked in blue. When printed on the pail, the colors blue and red shall match the PMS chart numbers 294 and 200, respectively, to the extent practicable.
- (4) All dimensions are approximate. All printing shall be lithographed in indelible ink directly on the pail. Unless otherwise specified, all characters shall be in normal block print.

- (5) The contract number shall be placed on the top of the pail or on the back panel of the pail.

E. 208-Liter Drums

- (1) Standard marking and color requirements for use in USAID programs are referred to as “SMR-1” and are shown in Exhibit G. The USAID brand shall be printed in the same style as shown in the Exhibits.
- (2) For standard marking requirements for use in FAS programs, “SMR-2”, contractor shall use Exhibit G and omit the flag and the USAID brand (logo and “USAID From the American People”) and replace the flag with three stripes and “USA” as depicted in Exhibit B, except the stripes shall be Blue PMS 294. The letters USA shall be Universal black (75) oblique or Helvetica extra bold with 70% scaling and 70 tracking or equivalent to match the style as shown in the Exhibit. The letters USA shall be 6 inches high and 12 inches in total width. The stripes shall be each 1- $\frac{1}{8}$ inches high and shall extend around the drum as far as possible.
- (3) The color of the drum shall be light blue, as close to PMS 291 or RAL 5024 as possible. Any marking not shown on the Exhibit shall be marked in blue. When printed on the drum, the colors blue and red shall match the PMS chart numbers 294 and 200, respectively, to the extent practicable. All markings shall be legible and of sufficient size to stand out prominently.
- (4) All dimensions are approximate and may be adjusted to fit on each panel. All printing shall be in indelible ink. Unless otherwise specified, all characters shall be in normal blockprint.

Section 3.2 SPECIAL MARKINGS

- A. The following special marking requirements for USAID or USDA/FAS may be requested under the contract:
 - (1) Markings for commercial/generic/monetized 4-Liter cans are shown in Exhibit H.
 - (2) Markings for monetization are shown in Exhibits I, J, K, L, M, and N.
 - (3) All 4-liter primary containers, secondary containers, and 20-liter pails used for monetizing programs will be printed with a white band as shown in the Exhibits. The white band shall extend completely around the container.

Commercial/Generic/Monetized 4-Liter Can (USAID or USDA/FAS)

Deviating from Exhibit A, omit the flag, the USAID brand (logo and “USAID From the American People”), and the words “NOT TO BE SOLD OR EXCHANGED.” Retain all other markings. See Exhibit H as an example of a monetized can with white band.

SMR-3 Special Marking Requirement (USAID monetized – white band product)

Deviating from Exhibit A, omit the words “NOT TO BE SOLD OR EXCHANGED”. Retain all other markings in blue. See Exhibits I, J, K, L, and M.

SMR-4 Special Marking Requirement (USDA/FAS monetized – white band product)
Deviating from Exhibit B, omit the red stripes and the words “NOT TO BE SOLD OR EXCHANGED.” Retain all other markings. See Exhibit N.

- (4) For 208-liter drums, a white band is not required but all other markings are to be retained in blue. See Exhibit M.

B. Secondary containers (Exhibit K)

- (1) All secondary container markings should match the corresponding primary container markings as specified in Section 3.2 A. (3).
- (2) A 3-inch solid white band shall be printed on all four side panels of all secondary containers used for 4-liter vegetable oil procured for monetization programs. The band shall extend completely around the container to the extent that the box type/style will permit. The 3-inch band shall be printed level with the flag as shown in the example of a SMR-3 marking shown in Exhibit K.
- (3) At no time will the white band and the phrase, “NOT TO BE SOLD OR EXCHANGED” appear on the same secondary container.
- (4) If H-style Bliss box is used, markings shall conform to the requirements of this section, Exhibit D and the end panels shown in Exhibit E. Omit the U.S. Flag or the three red stripes and replace with a white band.

- C. All other required markings on the 4-liter primary containers, secondary containers, 20-liter containers, and “white band product” used for monetization programs shall be printed in blue.**

Section 3.3 LABELING

- A. For traceability purposes, contract number, manufacturer’s lot code, supplier name, production date, and best if used by date shall appear on all primary and secondary packaging.**

- (1) Lot codes unique to each lot offered for inspection shall be legibly marked on each individual primary container and secondary container. Commodity suppliers may use any type of lot coding system provided a unique code is used to identify each lot offered for inspection under contract. Commodity suppliers shall provide the contracting officer with an explanation of the lot coding system used.
- (2) Markings shall include the Best if Used By Date (BUBD). The BUBD shall be 18 months from the date of packaging and shall be legibly printed in MMYYYY format on all primary and secondary packaging.
- (3) Markings shall include the production date. The production date shall be legibly printed in MMYYYY format on all primary and secondary packaging.

- B. Nutritional labeling is likely to soon be required to comply with the CODEX General Standard for the Labelling of Prepackaged Foods: CODEX STAN 1-1985. Further direction and requirements will be provided. Values for nutritional labeling would be 20 mg/kg (66,660 IU/kg)**

vitamin A and 0.23 mg/kg (9600 IU/kg) vitamin D, or the equivalent in other units, which incorporates estimated loss over the shelf-life.

- C. As an intentional additive to the oil, used antioxidants should appear in the label in accordance with the CODEX General Standard for the Labelling of Prepackaged Foods: CODEX STAN 1-1985.

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.

Section 3.5 MARKING EXHIBITS

Marking exhibits immediately follow on pages 16-29.

**SPECIFICATIONS:
Labeling of Steel 4 Liter Cans
Title II – Direct Feeding**

Language: English

Markings: SMR-1

Inscription: **Front:**
REFINED VEGETABLE OIL
VITAMIN A & D FORTIFIED
NOT TO BE SOLD OR EXCHANGED
USAID Brand
4 LITER – 3.7 kg

Wording
Font/Size: Arial Bold Narrow/36, 24, and 18 point (top to bottom respectively)

Graphic
Dimensions: Flag - 1.5" high x 2.5" wide
USAID Brand - 2.0" high x 2.5" wide

Color: Wording and graphics printed with Blue PMS 294 and Red PMS200

Front



Insert the words, "Refined Corn Oil," "Refined Vegetable Oil," or "Refined Sunflower Seed Oil" as applicable.

SMR#2



Insert the words, "Refined Corn Oil," "Refined Vegetable Oil," or "Refined Sunflower Seed Oil" as applicable.

**SPECIFICATIONS:
Paper Labels to Adhere to Plastic 4L Bottles
Title II – Direct Feeding**

Language: English

Markings: SMR-1

Inscription: REFINED VEGETABLE OIL
VITAMIN A & D FORTIFIED
NOT TO BE SOLD OR EXCHANGED
USAID Brand
4 LITER – 3.7 kg

Wording

Font/Size: Arial Narrow/18 and 12 point (top to bottom respectively)

Graphic

Dimensions: Label - 4.50” high x 4.0” wide (portrait)
Flag - 1.00” high x 1.7” wide
USAID Brand - 1.25” high x 1.6” wide

Adhesive: Permanent, heavy-duty pressure-sensitive adhesive

Material: Adhesive-backed, die-cut paper applied front and back of bottle

Color: Wording and graphics printed with Blue PMS 294 and Red PMS 200 on a white background.



Insert the words, “Refined Corn Oil,” “Refined Vegetable Oil,” or “Refined Sunflower Seed Oil” as applicable.

SPECIFICATIONS:
Labeling of Bliss Style Corrugated Shipping Carton
Title II – Direct Feeding

Language: English

Markings: SMR-1

Inscription: THIS END UP
REFINED VEGETABLE OIL
VITAMIN A & D FORTIFIED
NOT TO BE SOLD OR EXCHANGED
USAID Brand
6 CANS (BOTTLES) OF 4 LITERS EACH CONTRACT NO.

Graphic Dimensions: Flag - 1.78" high x 3.00" wide
USAID Brand - 2.40" high x 3.00" wide

Color: Wording and graphics printed with Blue PMS 294 and Red PMS 200



Insert the words, "Refined Corn Oil," "Refined Vegetable Oil," or "Refined Sunflower Seed Oil" as applicable.

**SPECIFICATIONS:
Labeling of Steel 20 Liter Pails
Title II – Direct Feeding**

Language: English

Markings: SMR-1

Inscription: REFINED VEGETABLE OIL
VITAMIN A & D FORTIFIED
NOT TO BE SOLD OR EXCHANGED
USAID Brand
20 LITER – 18.5 kg

**Wording
Font/Size:** Arial Bold Narrow/60, 40, and 24 point (top to bottom respectively)

**Graphic
Dimensions:** Flag - 3.0” high x 5.0” wide
USAID Brand - 4.0” high x 5.0” wide

Color: Wording and graphics printed with Blue PMS 294 and Red PMS 200 on a white background.



Insert the words, “Refined Corn Oil,” “Refined Vegetable Oil,” or “Refined Sunflower Seed Oil” as applicable.

**SPECIFICATIONS:
Labeling of Steel 208 Liter Drums
Title II – Direct Feeding**

Language: English

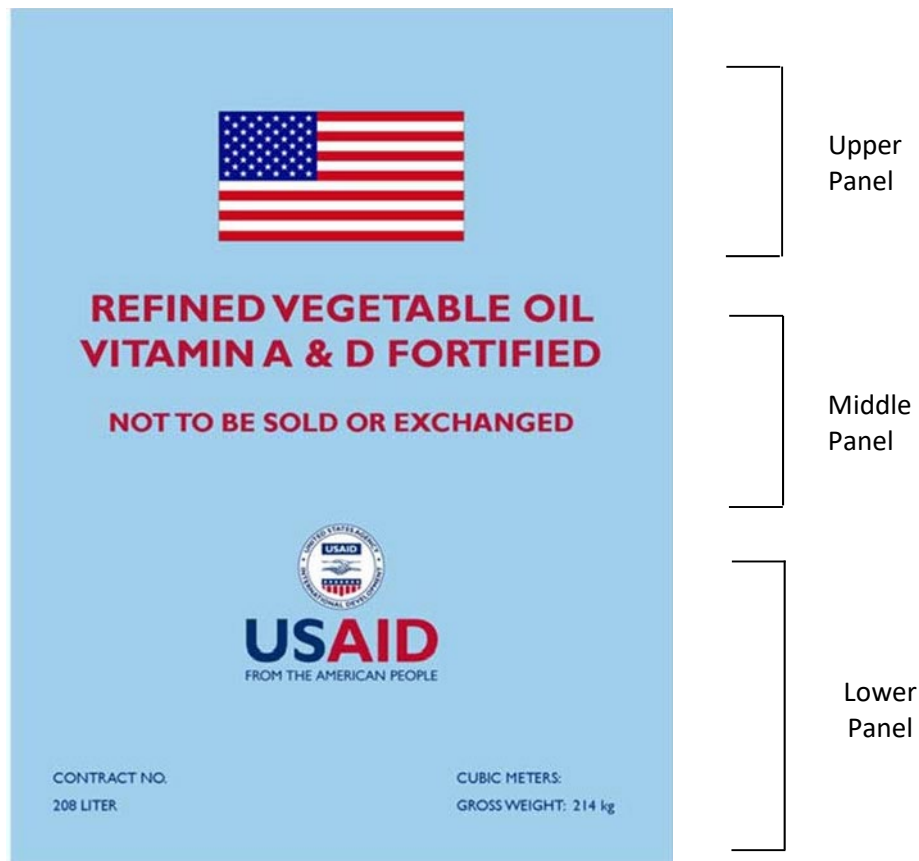
Markings: SMR-1

Inscription: REFINED VEGETABLE OIL
VITAMIN A & D FORTIFIED
NOT TO BE SOLD OR EXCHANGED
USAID Brand
CONTRACT NO. CUBIC METERS:
208 LITER GROSS WEIGHT: 214 kg

**Wording
Font/Size:** Arial Bold Narrow/140 and 60 point (top to bottom respectively)

**Graphic
Dimensions:** Flag - 5.6” high X 9.5” wide
USAID Brand - 7.5” high X 9.5” wide

Color: Wording and graphics printed with Blue PMS 294 and Red PMS 200 on a background color of PMS 291.



Insert the words, "Refined Corn Oil," "Refined Vegetable Oil," or "Refined Sunflower Seed Oil" as applicable.

Commercial/Generic/Monetized 4-Liter Can



Insert the words, "Refined Corn Oil," "Refined Vegetable Oil," or "Refined Sunflower Seed Oil" as applicable.

**SPECIFICATIONS:
Labeling of Steel 4 Liter Cans
Title II – Monetization**

Language: English

Markings: SMR-3

Inscription: **Front:**
REFINED VEGETABLE OIL
VITAMIN A & D FORTIFIED
USAID Brand
4 LITER – 3.7 kg

**Wording
Font/Size:** Arial Bold Narrow/36 and 18 point (top to bottom respectively)

**Graphic
Dimensions:** Flag - 1.5" high X 2.5" wide
USAID Brand - 2.0" high X 2.5" wide

Color: Wording and graphics printed with Blue PMS 294 and Red PMS 200. White band on both sides of flag of equal height.



Insert the words, "Refined Corn Oil," "Refined Vegetable Oil," or "Refined Sunflower Seed Oil" as applicable.

**SPECIFICATIONS:
Paper Labels to Adhere to Plastic 4L Bottles
Title II – Monetization**

Language: English

Markings: SMR-3

Inscription: REFINED VEGETABLE OIL
VITAMIN A & D FORTIFIED
USAID Brand
4 LITER – 3.7 kg

Wording

Font/Size: Arial Narrow/18 and 12 point (top to bottom respectively)

Graphic

Dimensions: Label: 4.50" high X 4.0" wide (portrait)
Flag: 1.00" high X 1.7" wide
USAID Brand: 1.25" high X 1.6" wide

Adhesive: Permanent, heavy-duty pressure-sensitive adhesive

Material: Adhesive-backed, die-cut paper applied front and back of bottle.

Color: Wording and graphics printed with Blue PMS 294 and Red PMS 200 on a background color of PMS 291. White band behind title.



Insert the words, “Refined Corn Oil,” “Refined Vegetable Oil,” or “Refined Sunflower Seed Oil” as applicable.

**SPECIFICATIONS:
Labeling of Steel 20 Liter Pails
Title II – Monetization**

Language: English

Markings: SMR-3

Inscription: REFINED VEGETABLE OIL
VITAMIN A & D FORTIFIED
USAID Brand
20 LITER – 18.5 kg

Wording

Font/Size: Arial Bold Narrow/60 and 24 point (top to bottom respectively)

Graphic

Dimensions: Flag - 3.0” high X 5.0” wide
USAID Brand - 4.0” high X 5.0” wide

Color: Wording and graphics printed with Blue PMS 294 and Red PMS 200 on a background color of PMS291. White band on both sides of flag of equal height.



Insert the words, “Refined Corn Oil,” “Refined Vegetable Oil,” or “Refined Sunflower Seed Oil” as applicable.

**SPECIFICATIONS:
Labeling of Steel 208 Liter Drums
Title II – Monetization**

Language: English

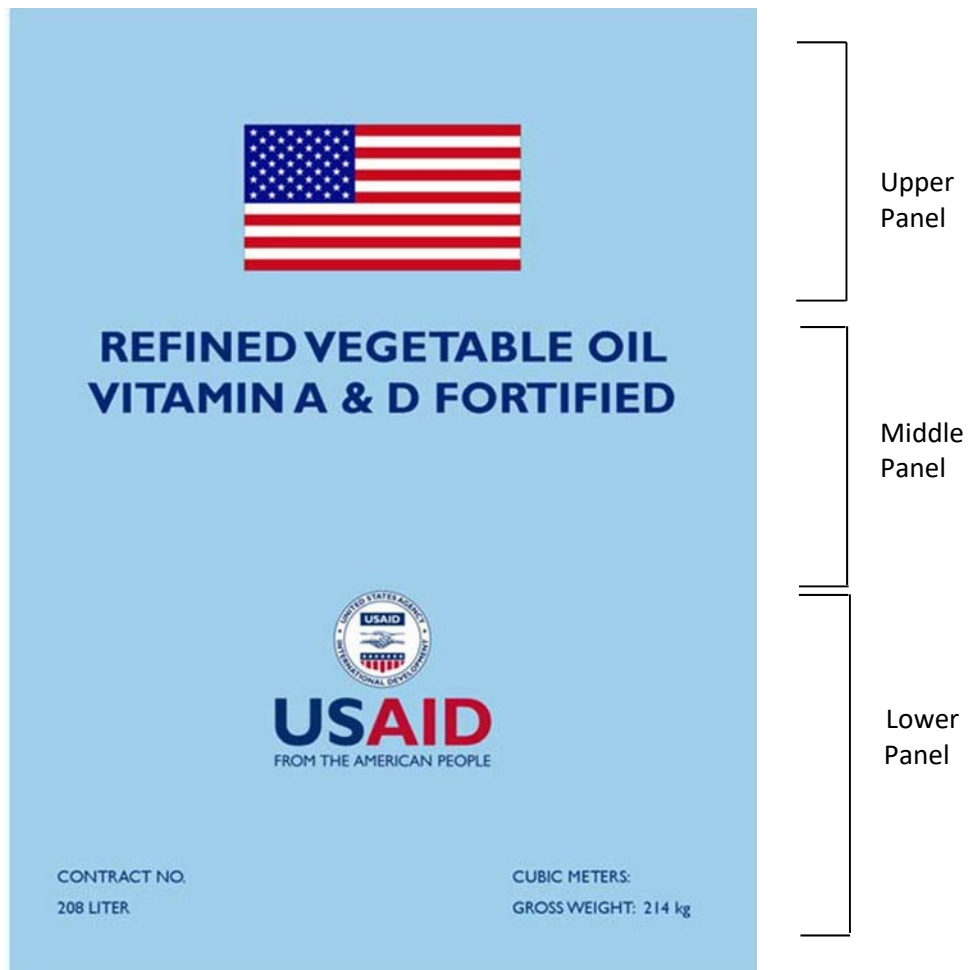
Markings: SMR-3

Inscription: REFINED VEGETABLE OIL
VITAMIN A & D FORTIFIED
USAID Brand
CONTRACT NO. 208 LITER CUBIC METERS:
GROSS WEIGHT: 214 kg

Wording
Font/Size: Arial Bold Narrow/140 and 60 point (top to bottom respectively)

Graphic
Dimensions: Flag - 5.6" high x 9.5" wide
USAID Brand - 7.5" high x 9.5" wide

Color: Wording and graphics printed with Blue PMS 294 on a background color of PMS 291.



Insert the words, “Refined Corn Oil,” “Refined Vegetable Oil,” or “Refined Sunflower Seed Oil” as applicable.

Monetized 4-Liter Can SMR#4



Insert the words, "Refined Corn Oil," "Refined Vegetable Oil," or "Refined Sunflower Seed Oil" as applicable.