# Oracle® Agile Product Lifecycle Management for Process Fact Panel Reporting Guide

Feature Pack 4.2

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# Contents

# Preface

## Audience

This guide is intended for client programmers involved with integrating Oracle Agile Product Lifecycle Management for Process. Information about using Oracle Agile PLM for Process resides in application-specific user guides. Information about administering Oracle Agile PLM for Process resides in the *Agile Product Lifecycle Management for Process Administrator User Guide*.

## Variability of Installations

Descriptions and illustrations of the Agile PLM for Process user interface included in this manual may not match your installation. The user interface of Agile PLM for Process applications and the features included can vary greatly depending on such variables as:

- Which applications your organization has purchased and installed
- Configuration settings that may turn features off or on
- Customization specific to your organization
- Security settings as they apply to the system and your user account

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## Software Availability

Oracle Software Delivery Cloud (OSDC) provides the latest copy of the core software. Note the core software does not include all patches and hot fixes. Access OSDC at:

http://edelivery.oracle.com.

# Chapter 1—Introducing Fact Panel Reporting

This Nutrition Facts Panel Report Pack offers 32 out-of-the- box Nutrition Facts Panel reports that span across formulation specifications, nutrient profiles and trade specifications. This reporting solution utilizes calculated extended attributes embedded in custom sections to create nutrition facts panel data that is exposed in user friendly reports derived via Oracle Business Intelligence Publisher (Oracle BI Publisher). For a complete list and brief descriptions of the provided reports, please refer to Appendix 1—Report Overviews.

# Chapter 2—Supported Nutrition Fact Panel Layouts

This report pack contains Nutrition Facts Panel Reports that contain Fact Panel layouts as defined by Canadian Food Inspection Agency and the United States Food and Drug Administration. The reports include the following formats:

- Standard Format
- Bilingual Standard Format
- Dual Format
- Bilingual Dual Format
- Aggregate Format (up to five products)
- Bilingual Aggregate Format (up to five products)

Where applicable, reports also include Allergens, Label Claims, Complies With, and Ingredient Statement information. See Figure for examples of a US standard panel in English and a Bilingual Panel in English and Spanish.

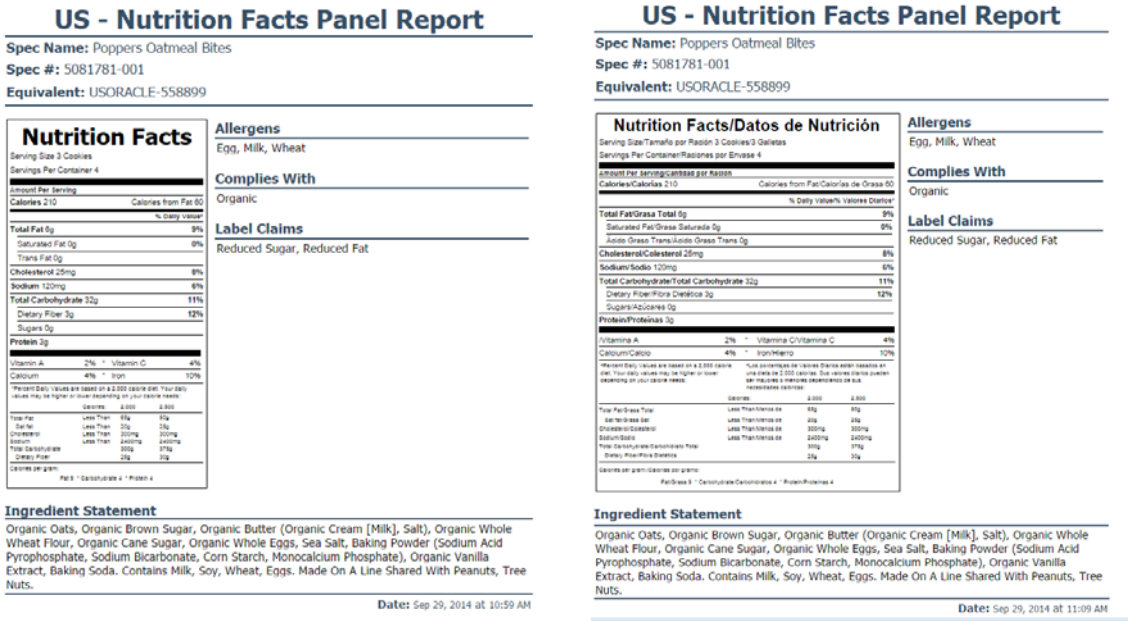



**Figure 1. Examples of a Standard and Bilingual US Panel**

# Chapter 3—Accessing the Reports

All fact panel reports can be launched from the PLM for Process application using the “Report Dialog” application. The Fact Panel icon should appear on trade, nutrient profiles and formulation specifications. When selected it opens the Report Dialog. Here the user will make selections around concepts like Region, Format, Type and Language to determine which report to launch.

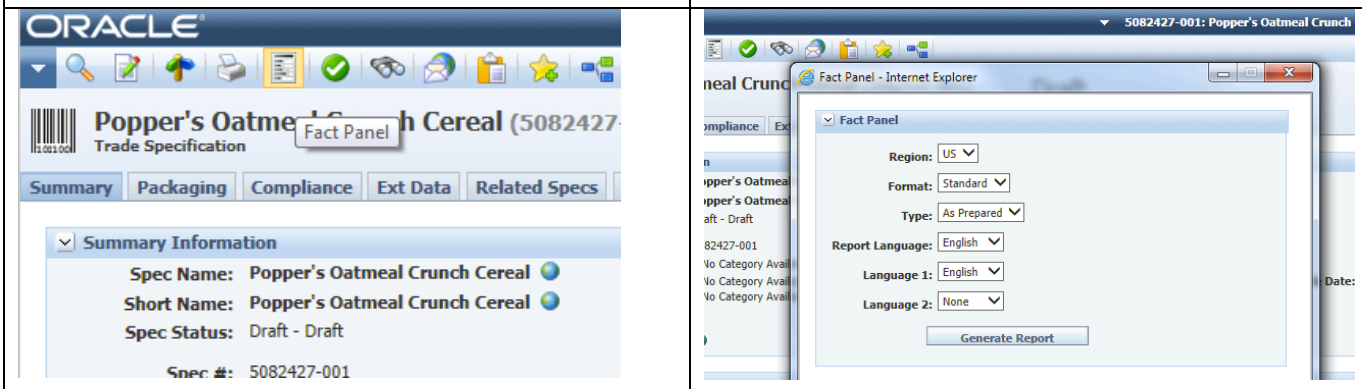



**Figure 2. Fact Panel icon and Report Dialog**

# Chapter 4—Installing the Fact Panel Report Pack

The following requirements must be met prior to installing the Nutrition Facts Panel Report Pack:

- Oracle's Agile Product Lifecycle Management for Process version 6.2.1
- Oracle's BI Publisher version 11.1.1.7.x *(refer to Agile Product Lifecycle Management for Process Reporting Guide)*
- Nutrients with appropriate InFoods IDs must exist in the application, as described in the Nutrient Data section of this guide.
- Calculated Extended Attributes that represent nutrient values must be created, as described in the Calculated Extended Attributes section of this guide.
- Regionally based Facts Panel Custom Section must be created, as described in the Custom Sections section of this guide.
- Specification Hierarchy structures that are supported by the reports, as described in the following sections of this guide: Trade Specification Reports, Nutrition Profile Reports, Formulation Specification Reports.

The Report Dialog requires the following:

- Oracle's Agile Product Lifecycle Management for Process version 6.2.1
- Hierarchy Denormalization Service is required for this report. You can learn more about this service in the *Agile Product Lifecycle Management for Process Hierarchy Denormalization Guide.*

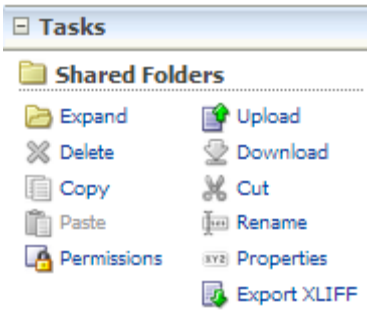
The following steps must be taken to install the Nutrition Fact Panel reports:

1. Run Reporting DBLayer script, LoadAllObjects.sql located in the <EP_HOME>\ ReferenceImplementations \ReportingDBLayer\<SQLSERVER or ORACLE>\. Read the ReadMe.txt before running this script.

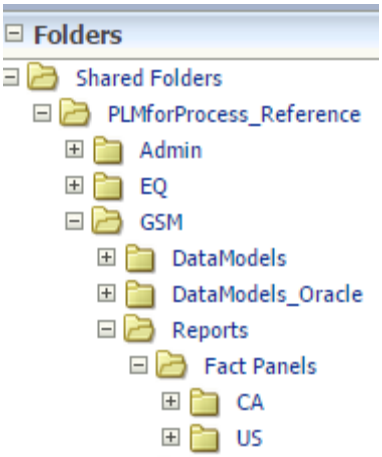
2. Upload the BI Publisher .xdrz file which contains the Nutrition Fact Panel reports. This is located in the <EP_HOME>\ReferenceImplementations\ReferenceReportPacks\GSM directory.

   This file is a BI Publisher binary file which is the folder containing all the reports and the BI Publisher Data Models for both Oracle and SQL Server. This file should be uploaded to the 'Shared Folders' directory in BI Publisher. To upload this file you will need to go to:

   'http://{host}:{port}/xmlpserver/servlet/catalog' where {host} and {port} are those of your BI Publisher installation. When you use this URL, the 'Upload' functionality becomes available in the lower left panel as shown here:




After uploading this file, there should be a new folder under 'Shared Folders' called 'PLMforProcess_Reference'. Under this folder there will be one folder per Report Pack. The following image shows the BI Publisher directory structure with both the Canadian and US Nutrition Fact Panel reports. If not uploaded to this location the reports will not function.




3. Configuring the Proper Data Model – Oracle or SQL Server

   Out of the box, under the Reporting Pack folder such as 'GSM', there are 2 Data Model folders, one for Oracle and one for SQL Server. They are named 'DataModels_' with either 'Oracle' or 'SQL Server' appended to it. You will need to rename the one you want to use to just 'DataModels'. If you like you can delete the other one. An example of the Data Models configured to use SQL Server is shown in Step 2 above.

   ***Note: Sample Data***

   Each Data Model comes preloaded with a generic sample.xml file. It is recommended that you do not overwrite the sample files, but if this happens, the files are located in the Data Model folders of BI Publisher and can be reloaded. Data Models are usually released without sample data. However, in the case of nutrition facts panel reports, if the sample data file has a null value for a nutrient, BI Publisher will not populate the nutrient data when a report is executed against active data.

4. Confirm the existing Extended Attributes naming convention is in line with what the report expects. Extended Attributes are used to store nutritional values. If the out of the box naming conventions are

used for these Extended Attributes then no further steps are required. To see the names that are used out of the box, please see Appendix 2—Required Calculated Extended Attributes.
If these naming conventions have not been followed then a mapping exercise will be necessary. Please see "How do you use your existing extended data in the reports?" in the Chapter 8—Customizing & Configuring Your Reports section.

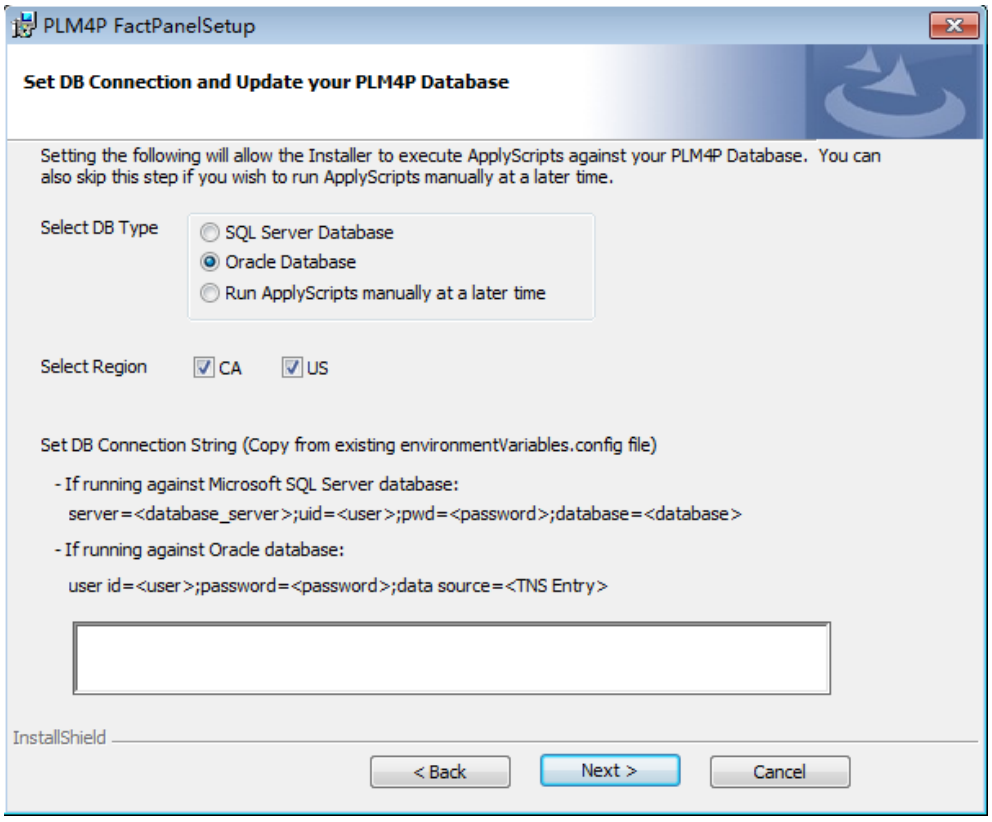
The following steps must be taken to install the Nutrition Fact Panel Report Dialog.

The Nutrition Fact Panel Dialog is not a requirement to use the Fact Panel Reports; however it will make it simpler for users to launch the appropriate report. There are over 30 fact panel reports which could be confusing if launched using standard navigation extensions.

1. **Run the Report Dialog Installer** found in ReferenceImplementation/ReferenceReportPacks/GSM/ReportDialog/FactPanelSetup.exe

    a. **Select how to Apply Scripts**. Provide a database type and connection string.

    b. **Select the Regions** you want to support.




2. **Map Reports** to a BI Publisher report folder in Extensions/ReportDialog.xml

    Find the Fact Panel REPORTFORM node for each form you created.

Create a REPORTDIRECTORY node for each unique BI Publisher directory where the reports are located. You can point each individual ReportID to a different location. The ReportID attribute also allows you to use RegEx. For example, you can declare a specific directory for all report IDs that start with US by setting the ReportID to "US*" Out of the box the US Fact Panel Reports are in a different directory than the CA Fact Panels.

```
<ReportDialog>
    <ReportForm FORMID="FactPanel">
      <ReportFilter
ClassURL="Class:Oracle.Agile.PlmProcess.ReportDialog.Lib.Common.ReportResultFilter,ReportDialog" />
     <ReportURLConfig>
        <ReportDirectory REPORTID="US*" URL="@@VAR:Prodika.ReportServer.URL@@/@@/<REPORT SUBFOLDER PATH>"
ADDITIONALPARAM="_xmode=3"/>
        <ReportDirectory REPORTID="CA*" URL="@@VAR:Prodika.ReportServer.URL@@/<REPORT SUBFOLDER PATH>"
ADDITIONALPARAM="_xmode=3" />
     </ReportURLConfig>
  </ReportForm>
</ReportDialog>
```

3. **Set Your Consumer Prep Nutrient Profile Workflow Tag**. The As Prepared reports rely on a workflow tag(s) to indicate which Nutrient Profile represents the approved As Prepared nutrient data. Locate the behavior ID(s) for the tag(s) in ADMN and run the following script to update the tag ID(s) for all available reports.

```
update RPT_FactPanel set
PARAMETER_CLASS='Class:Oracle.Agile.PlmProcess.ReportDialog.Lib.Common.SpecRelatedParameterGen
erator,ReportDialog$<TagBehaviorId(s)>' where REPORT_ID in ('US11','US12','CA12','CA13');
```

# Chapter 5—Oracle BI Publisher Reports

This Nutrition Facts Panel Report Pack contains Nutrition Facts Panel reports that can be executed via the new Report Dialog (or any custom navigation extension) from formulation specifications, nutrient profiles and trade specifications. Each report contains a Nutrition Facts Panel as defined by either the Canadian Food Inspection Agency or the United States Food and Drug Administration, and where applicable, the report also includes Allergens, Label Claims, Complies With, and Ingredient Statement information.

The Nutrition Facts Panel within each report contains only the required nutrients as defined by either the Canadian Food Inspection Agency or the United States Food and Drug Administration. The data models support all required and voluntary nutrients, so the reports can be customized to include additional nutrients as desired.

Some of the techniques described in this document can be used to present facts panel data in other areas of the application such as ingredient specifications. However, you will need to make adjustments to account for the data available for a given object. For an example 100g data is presented on the ingredients nutrient composition; however, “Serving Size” and nutrient “Per Serving” is not available. Therefore, you will need to add additional custom data and create new report layouts to support these areas if you wish to produce nutrition facts panel reports for ingredient specifications.

## Trade Specification Reports

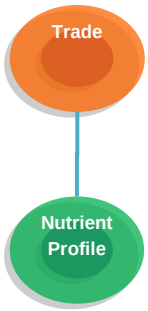
All trade specification reports contain a Nutrition Facts Panel which displays the appropriate nutrient data and ingredient statement from the related nutrient profiles, as well as the Allergens, Label Claims, and Complies With from the trade specification that the report was launched.

The trade specification reports include the following layouts:

- Standard Format
- Bilingual Standard Format
- Dual Format (As Packaged – As Prepared)
- Bilingual Dual Format (As Packaged – As Prepared)
- Aggregate Format
- Bilingual Aggregate Format

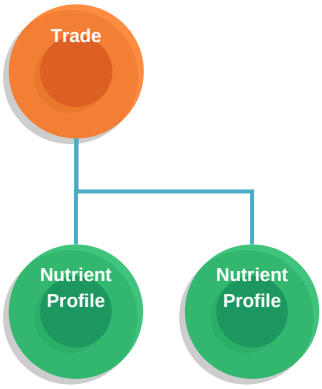
As the trade specification does not store nutrition data, the trade specification Nutrition Facts Panel Report requires the nutrient data to be pulled from nutrient profiles containing the proper information. Since trade specification can be associated with multiple nutrient profiles, the Report Dialog will pass the appropriate information to BI Publisher by interrogating the user’s input and the related nutrient profile’s relationship to the trade specification. The following trade specification hierarchies are supported.

Trade specification with one related “Active” nutrient profile supports the following reports:



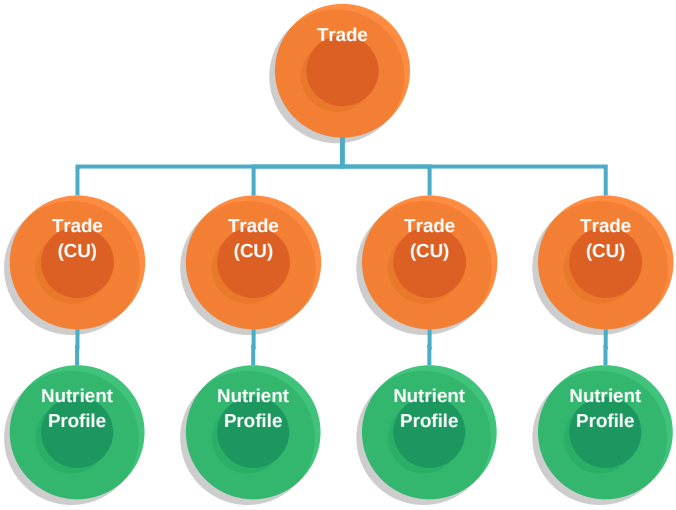

- Trade Standard Nutrition Facts Panel by Region
- Trade Bilingual Nutrition Facts Panel by Region

Trade specification with 1 “Active” nutrient profile (As Packaged), and 1 nutrient profile with the configured Report Dialog workflow tag “As Prepared” supports the following reports:




- Trade As Packaged-As Prepared Dual Column Nutrition Facts Panel by Region
- Trade As Packaged-As Prepared Bilingual Dual Column Nutrition Facts Panel by Region

Trade specification TU/CU hierarchy with 2-4 related “Is Approved” nutrient profiles supports the following reports (the data mode supports up to 5):




- Trade Aggregate 2, 3 and 4 Nutrition Facts Panel by Region
- Trade Bilingual Aggregate 2, 3 and 4 Nutrition Facts Panel by Region

## Nutrition Profile Reports

All nutrient profile reports contain a Nutrition Facts Panel which displays the appropriate nutrient data and ingredient statement from the nutrient profile from which the report was launched. “Allergens”, “Label Claims” and “Complies With” data is not displayed; that information resides on trade specifications.

The Nutrient Profile reports include the following layouts:

- Standard Format
- Bilingual Standard Format

Since nutrient data resides directly on the nutrient profiles, the following reports can simply be executed from the nutrient profile.


- Nutrient Profile Standard Nutrition Facts Panel by Region
- Nutrient Profile Bilingual Nutrition Facts Panel by Region

## Formulation Specification Reports

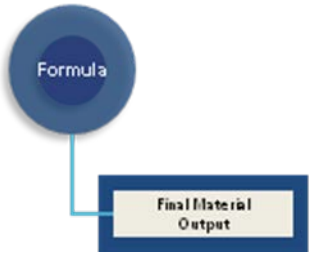
All formulation reports contain a Nutrition Facts Panel which displays the appropriate nutrient data and ingredient statement from the appropriate formulation output material specification from which the report was launched. “Allergens”, “Complies With” and the “Ingredient Statement” data is pulled from the related output material specification. “Label Claims” are not displayed on formulation reports as that information is only stored on trade specifications.

The Formulation Specification reports include the following layouts:

- Standard Format
- Bilingual Standard Format
- Dual Format (As Packaged – As Prepared)
- Bilingual Dual Format (As Packaged – As Prepared)

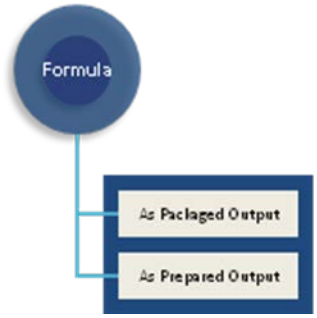
Since the nutrient data resides directly within the formulation specification on the Formulation Output pop-up window, the following reports can executeded directly from the formulation specification.

The following reports are executed against the formulation output of the last step of the formulation.




- Formulation Standard Nutrition Facts Panel by Region
- Formulation Bilingual Nutrition Facts Panel by Region

The following reports are executed against the formulation outputs of the last “Standard” formulation step and the last “Consumer Prep” step of the formulation.




- Formulation As Package-As Prepared Dual Column Nutrition Facts Panel by Region
- Formulation As Package-As Prepared Bilingual Dual Column Nutrition Facts Panel by Region

***Note***: Since “Servings Per Container” is not captured on formulation output specifications, “Servings Per Container” will not display on the nutrition facts panels within these reports.

Please refer to Appendix 1—Report Overviews for a complete list of the available Nutrition Fact Panel Reports.

## Multilingual Support

Each report can be executed in English, Spanish or French, and each bilingual report will display the Nutritional Facts Panel in any 2 of the aforemention lanuguages.With respect to lanuguage, the report is driven by 2 different language paramenters defined in the BI Publisher Data Models: Report Content Language and the Nutrition Facts Panel Language.

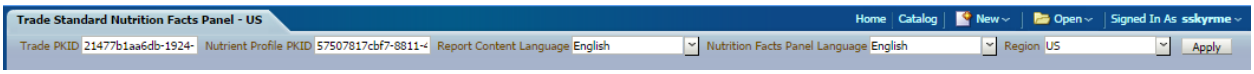
The Report Content Language parameter determines the language in which the following report labels and report content will display.

- Report Title
- Spec Name
- Spec #
- Equivalent

- Allergens
- Complies With
- Label Claims
- Ingredient Statement

The Nutrition Facts Panel Language parameter determines the languages in which the Nutrition Facts Panel data will be displayed.

For example, if both the Report Content Language and the Nutrition Facts Panel Language are set to "English" in the "Trade Standard Nutrition Facts Panel – US" report,




the entire report will be display in "English" as follows:

# US - Nutrition Facts Panel Report

**Spec Name:** Poppers Oatmeal Bites

**Spec #:** 5081781-001

**Equivalent:** USORACLE-558899

## Nutrition Facts

Serving Size 3 Cookies

Servings Per Container 4

| Amount Per Serving | |
|---|---|
| **Calories** 210 | Calories from Fat 60 |
| | % Daily Value* |
| **Total Fat** 6g | 9% |
| Saturated Fat 0g | 0% |
| Trans Fat 0g | |
| **Cholesterol** 25mg | 8% |
| **Sodium** 120mg | 6% |
| **Total Carbohydrate** 32g | 11% |
| Dietary Fiber 3g | 12% |
| Sugars 0g | |
| **Protein** 3g | |

| | | | |
|---|---|---|---|
| Vitamin A | 2% | * Vitamin C | 4% |
| Calcium | 4% | * Iron | 10% |

*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs:

| | Calories: | 2,000 | 2,500 |
|---|---|---|---|
| Total Fat | Less Than | 65g | 80g |
| Sat fat | Less Than | 20g | 25g |
| Cholesterol | Less Than | 300mg | 300mg |
| Sodium | Less Than | 2400mg | 2400mg |
| Total Carbohydrate | | 300g | 375g |
| Dietary Fiber | | 25g | 30g |

Calories per gram:

Fat 9 * Carbohydrate 4 * Protein 4

## Allergens

Egg, Milk, Wheat

## Complies With

Organic

## Label Claims

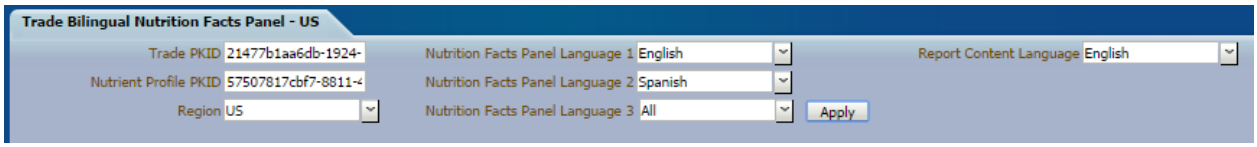
Reduced Sugar, Reduced Fat

## Ingredient Statement

Organic Oats, Organic Brown Sugar, Organic Butter (Organic Cream [Milk], Salt), Organic Whole Wheat Flour, Organic Cane Sugar, Organic Whole Eggs, Sea Salt, Baking Powder (Sodium Acid Pyrophosphate, Sodium Bicarbonate, Corn Starch, Monocalcium Phosphate), Organic Vanilla Extract, Baking Soda. Contains Milk, Soy, Wheat, Eggs. Made On A Line Shared With Peanuts, Tree Nuts.

**Date:** Oct 2, 2014 at 9:51 PM

If the Report Content Language is set to “English”, and the Nutrition Facts Panel Language 1 is set to “English”, and the Nutrition Facts Panel Language 2 is set to “Spanish” for the Trade Bilingual Nutrition Facts Panel– US report,




the report content will be display in “English”, while the nutrition fact panel data will display a bilingual facts panel in “English” and “Spanish” as follows:

# US - Nutrition Facts Panel Report

**Spec Name:** Poppers Oatmeal Bites

**Spec #:** 5081781-001

**Equivalent:** USORACLE-558899

## Nutrition Facts/Datos de Nutrición

Serving Size/Tamaño por Ración 3 Cookies/3 Galletas

Servings Per Container/Raciones por Envase 4

| Amount Per Serving/Cantidad por Ración | |
|---|---|
| **Calories/Calorías** 210 | Calories from Fat/Calorías de Grasa 60 |
| | **% Daily Value/% Valores Diarios*** |
| **Total Fat/Grasa Total** 6g | **9%** |
| Saturated Fat/Grasa Saturada 0g | **0%** |
| Ácido Graso Trans/Ácido Graso Trans 0g | |
| **Cholesterol/Colesterol** 25mg | **8%** |
| **Sodium/Sodio** 120mg | **6%** |
| **Total Carbohydrate/Total Carbohydrate** 32g | **11%** |
| Dietary Fiber/Fibra Dietética 3g | **12%** |
| Sugars/Azúcares 0g | |
| **Protein/Proteínas** 3g | |

| | | | | |
|---|---|---|---|---|
| /Vitamina A | 2% | * | Vitamina C/Vitamina C | 4% |
| Calcium/Calcio | 4% | * | Iron/Hierro | 10% |

*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs:

*Los porcentajes de Valores Diarios están basados en una dieta de 2,000 calorías. Sus valores diarios pueden ser mayores o menores dependiendo de sus necesidades calóricas:

| Calorías: | | 2,000 | 2,500 |
|---|---|---|---|
| Total Fat/Grasa Total | Less Than/Menos de | 65g | 80g |
| Sat fat/Grasa Sat | Less Than/Menos de | 20g | 25g |
| Cholesterol/Colesterol | Less Than/Menos de | 300mg | 300mg |
| Sodium/Sodio | Less Than/Menos de | 2400mg | 2400mg |
| Total Carbohydrate/Carbohidrato Total | | 300g | 375g |
| Dietary Fiber/Fibra Dietética | | 25g | 30g |

Calories per gram:/Calorías por gramo:

Fat/Grasa 9 * Carbohydrate/Carbohidratos 4 * Protein/Proteínas 4

## Allergens

Egg, Milk, Wheat

## Complies With

Organic

## Label Claims

Reduced Sugar, Reduced Fat

## Ingredient Statement

Organic Oats, Organic Brown Sugar, Organic Butter (Organic Cream [Milk], Salt), Organic Whole Wheat Flour, Organic Cane Sugar, Organic Whole Eggs, Sea Salt, Baking Powder (Sodium Acid Pyrophosphate, Sodium Bicarbonate, Corn Starch, Monocalcium Phosphate), Organic Vanilla Extract, Baking Soda. Contains Milk, Soy, Wheat, Eggs. Made On A Line Shared With Peanuts, Tree Nuts.

**Date:** Oct 2, 2014 at 10:08 PM

For additional information about multi-language support, please refer to *Agile Product Lifecycle Management for Process Configuration Guide*.

## Report Naming Convention

The BI Publisher reports also follow a basic naming convention as follows:

[Spec Type][Panel Format][Panel Type]-[Region]-[Languages (if applicable)]

Where,

**Spec Type** = TRD (Trade), FRM(Formulation), NUTP(Nutrient Profile)

**Panel Format** = STD(Standard), TAB(Tabular), SIM(Simplified)

**Panel Type** = SGL(Single), ASP(As Prepared), AGG(Aggregate)

**Region** = US (United States) or CA (Cananda)

**Languages** = BI(Bilingual), TRI(Trilingual)

For Example,

TRDSTDSLG – CA – BI = Trade Standard Single Product Canadian Bilingual Report

# Chapter 6—Nutrition Facts Panel Custom Data

This section describes the creation and configuration of the nutrients, extended attributes and custom sections needed to support the Nutrition Facts Panel Reporting Pack.

In order for the nutrient information to be available for the reports, the following requirements must be met:

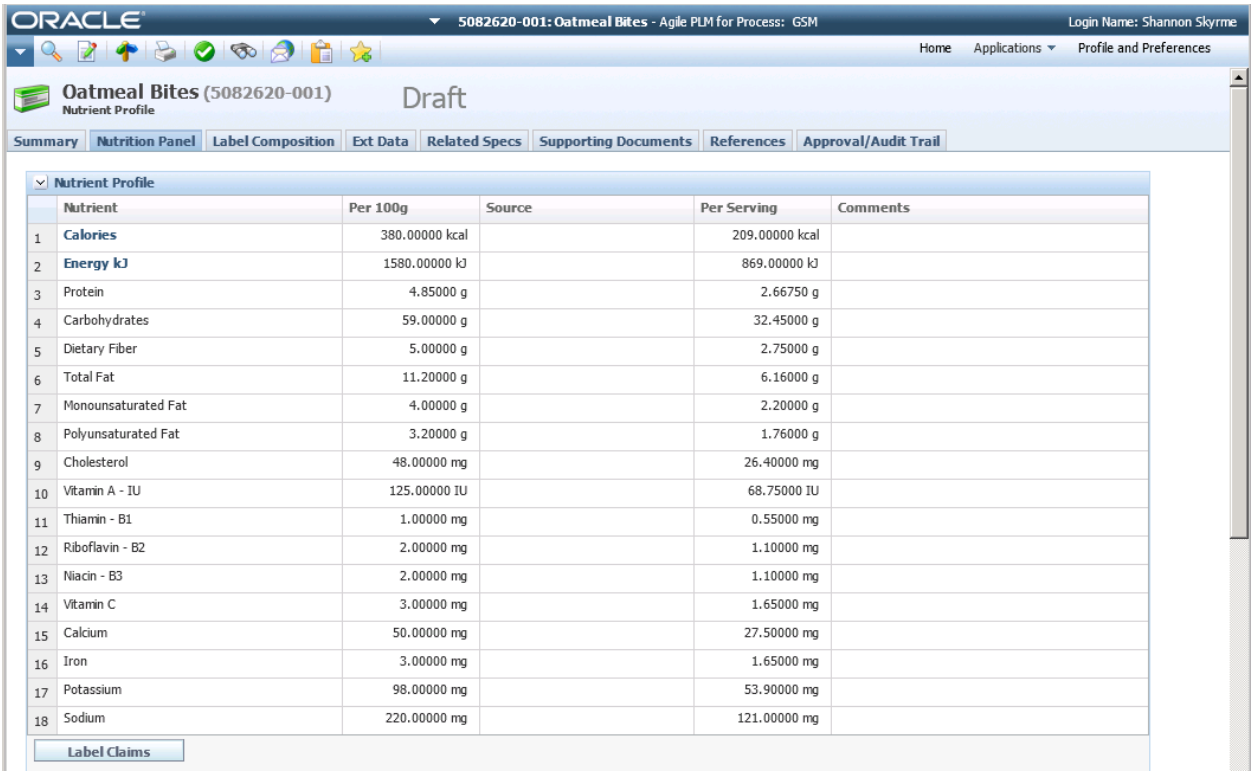
1. All nutrients must be available with the appropriate InFoods ID in the application.
2. All calculated extended attributes must be created with the appropriate Attribute IDs.
3. Custom sections for the US Facts Panel and CN Facts Panel must be created utilizing the newly created extended attributes and extended to nutrient profiles and material specifications.

While nutrient data is captured throughout the specification hierarchy, these reports pull data from a custom section specific to regional facts panel requirements (i.e. Canadian or United States). These custom sections contain the calculated extended attributes that utilize the nutritional information from either the nutrient profile or the formulation output (depending on report) to calculate the following information for each nutrient attribute:

- Per Serving
- Rounded
- Overrides
- Final Per Serving
- %DV (Percent Daily Value)
- Per 100g
- % RI (Percent Reference Intake)

## Nutrient Data

All nutrition facts panel reports derived from trade specifications or nutrient profiles utilize the nutrition data from the related nutrient profile's Nutrition Panel tab. In order for the trade or nutrient profile reports to populate data, the "Amount Per Serving" value on the nutrient profiles must contain data in order for the application to calculate"Per Serving" values of the Nutrition Panel grid. Figure 3 shows the Nutrition Panel grid of the nutrient profile that is used to calculate the nutrient attributes for trade specification and nutrient profiles.

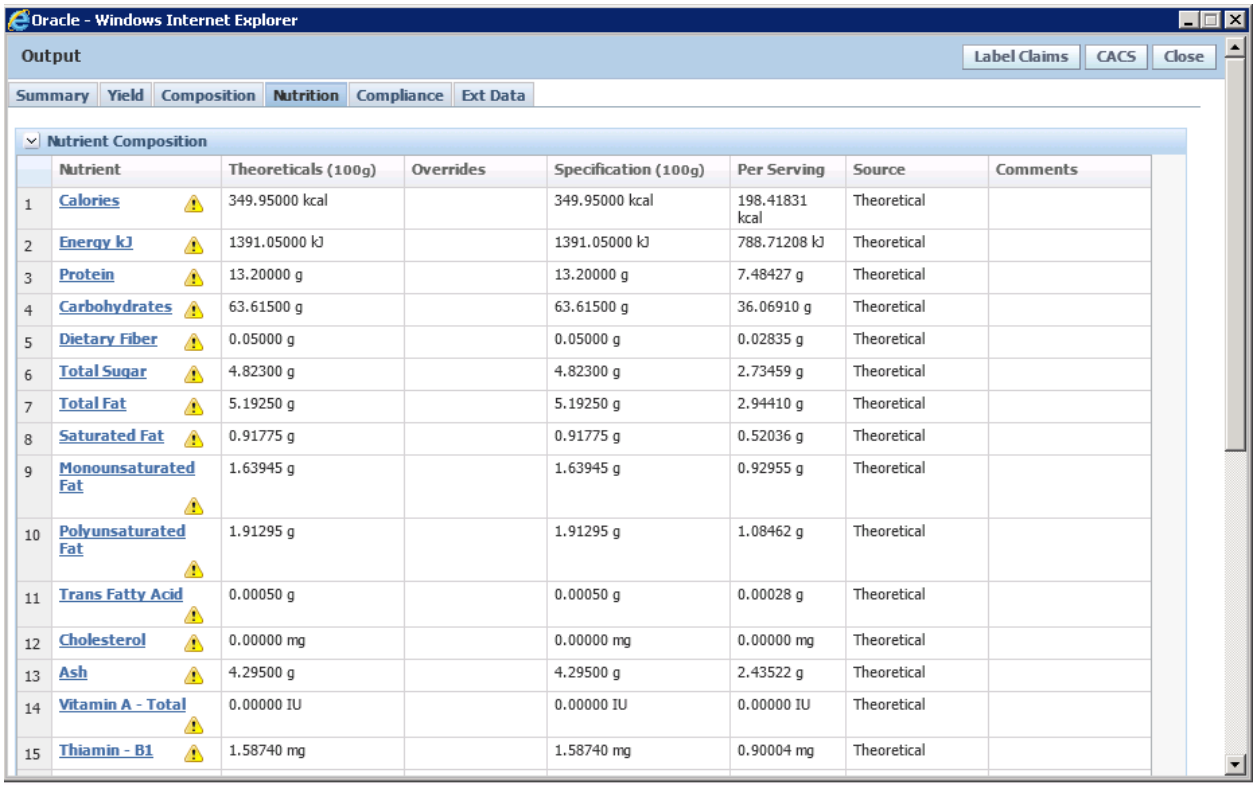



| | Nutrient | Per 100g | Source | Per Serving | Comments |
|---|---|---|---|---|---|
| 1 | Calories | 380.00000 kcal | | 209.00000 kcal | |
| 2 | Energy kJ | 1580.00000 kJ | | 869.00000 kJ | |
| 3 | Protein | 4.85000 g | | 2.66750 g | |
| 4 | Carbohydrates | 59.00000 g | | 32.45000 g | |
| 5 | Dietary Fiber | 5.00000 g | | 2.75000 g | |
| 6 | Total Fat | 11.20000 g | | 6.16000 g | |
| 7 | Monounsaturated Fat | 4.00000 g | | 2.20000 g | |
| 8 | Polyunsaturated Fat | 3.20000 g | | 1.76000 g | |
| 9 | Cholesterol | 48.00000 mg | | 26.40000 mg | |
| 10 | Vitamin A - IU | 125.00000 IU | | 68.75000 IU | |
| 11 | Thiamin - B1 | 1.00000 mg | | 0.55000 mg | |
| 12 | Riboflavin - B2 | 2.00000 mg | | 1.10000 mg | |
| 13 | Niacin - B3 | 2.00000 mg | | 1.10000 mg | |
| 14 | Vitamin C | 3.00000 mg | | 1.65000 mg | |
| 15 | Calcium | 50.00000 mg | | 27.50000 mg | |
| 16 | Iron | 3.00000 mg | | 1.65000 mg | |
| 17 | Potassium | 98.00000 mg | | 53.90000 mg | |
| 18 | Sodium | 220.00000 mg | | 121.00000 mg | |

**Figure 3. Nutrition Panel Grid**

For formulation specifications, the nutrient data is stored in the Nutrient Composition grid of the Formulation Output popup window, as show below in Figure 4.

The Serving Size field located on in the Packaging Configuration section of the Yield tab of the Formulation Output must be populated for the “Per Serving” values to be calculated in the Nutrient Profile grid, as shown in Figure 5.




| | Nutrient | Theoreticals (100g) | Overrides | Specification (100g) | Per Serving | Source | Comments |
|---|---|---|---|---|---|---|---|
| 1 | Calories | 349.95000 kcal | | 349.95000 kcal | 198.41831 kcal | Theoretical | |
| 2 | Energy kJ | 1391.05000 kJ | | 1391.05000 kJ | 788.71208 kJ | Theoretical | |
| 3 | Protein | 13.20000 g | | 13.20000 g | 7.48427 g | Theoretical | |
| 4 | Carbohydrates | 63.61500 g | | 63.61500 g | 36.06910 g | Theoretical | |
| 5 | Dietary Fiber | 0.05000 g | | 0.05000 g | 0.02835 g | Theoretical | |
| 6 | Total Sugar | 4.82300 g | | 4.82300 g | 2.73459 g | Theoretical | |
| 7 | Total Fat | 5.19250 g | | 5.19250 g | 2.94410 g | Theoretical | |
| 8 | Saturated Fat | 0.91775 g | | 0.91775 g | 0.52036 g | Theoretical | |
| 9 | Monounsaturated Fat | 1.63945 g | | 1.63945 g | 0.92955 g | Theoretical | |
| 10 | Polyunsaturated Fat | 1.91295 g | | 1.91295 g | 1.08462 g | Theoretical | |
| 11 | Trans Fatty Acid | 0.00050 g | | 0.00050 g | 0.00028 g | Theoretical | |
| 12 | Cholesterol | 0.00000 mg | | 0.00000 mg | 0.00000 mg | Theoretical | |
| 13 | Ash | 4.29500 g | | 4.29500 g | 2.43522 g | Theoretical | |
| 14 | Vitamin A - Total | 0.00000 IU | | 0.00000 IU | 0.00000 IU | Theoretical | |
| 15 | Thiamin - B1 | 1.58740 mg | | 1.58740 mg | 0.90004 mg | Theoretical | |

**Figure 4. Nutrient Composition Grid of the Formulation Output Popup Window**

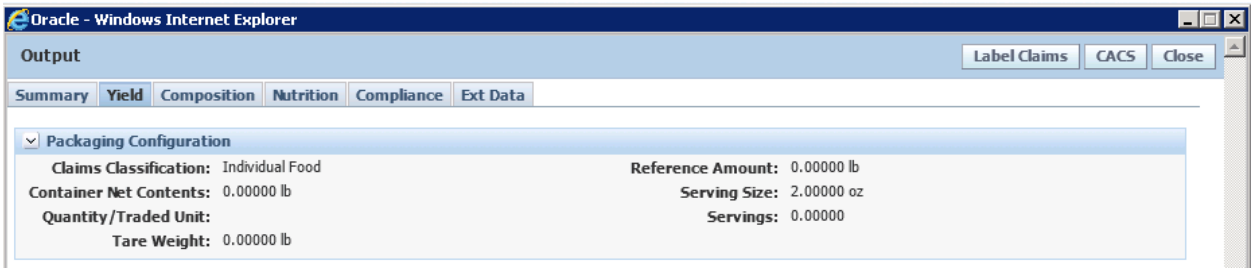



**Figure 5. Serving Size field of Formulation Output Popup Window**

Nutrients are created utilizing the Data Administration Toolkit. Figure 6 shows an example of the Saturated Fat Nutrient in the Data Admin Toolkit. The InFoods ID is used as a variable in the calculated extended attribute's Jscript to obtain the "Per Serving Values" for the new custom sections.

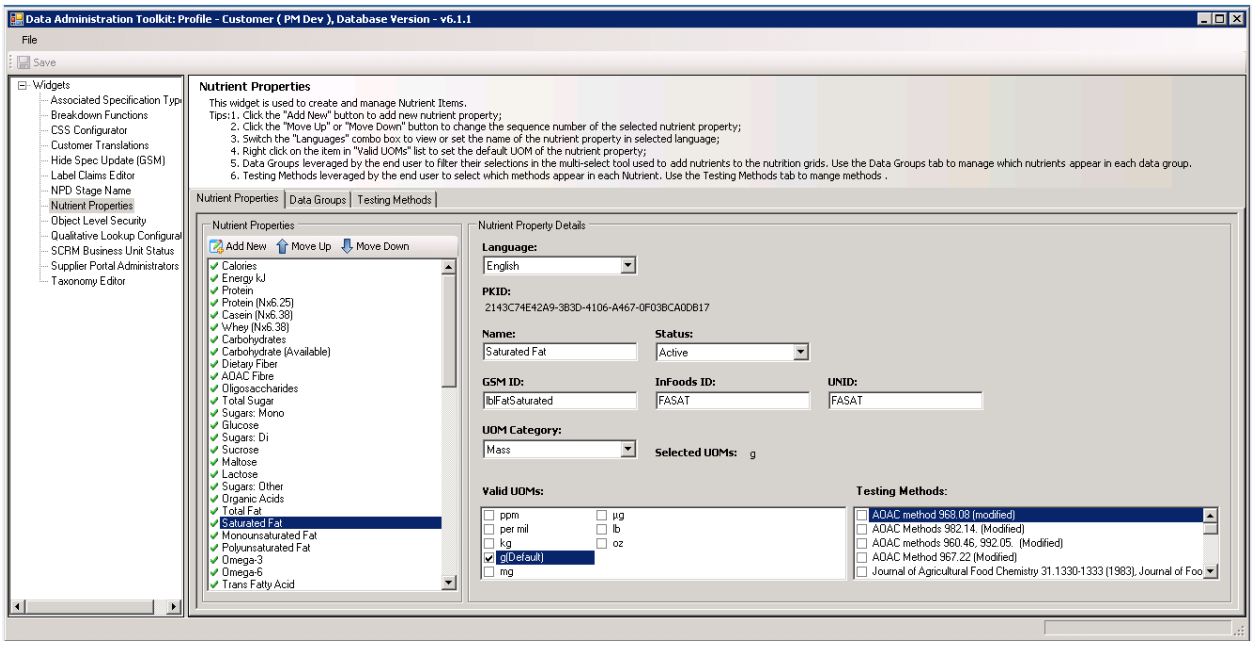



**Figure 6. Saturated Fat Nutrient, Data Administration Toolkit**

For additional information about nutrient creation, please refer to *Agile Product Lifecycle Management for Process Data Administration Toolkit Guide*.

The following nutrients are supported by the Nutrition Facts Panel Report Pack:

- Added Sugars
- Biotin
- Calcium
- Calories
- Calories From Fat
- Carb
- Chloride
- Cholesterol
- Chromium
- Copper
- Fat
- Fiber
- Folate
- Insoluble Fiber
- Iodine
- Iron
- Magnesium
- Manganese
- Molybdenum
- Monounsaturated Fat
- Niacin
- Other Carbohydrate
- Pantothenic acid
- Phosphorus
- Polyunsaturated Fat
- Potassium
- Protein
- Riboflavin
- Saturated Fat
- Selenium
- Sodium
- Soluble Fiber
- Sugar Alcohol
- Sugar
- Thiamin
- Trans Fat
- Vitamin A
- Vitamin A Total
- Vitamin B12
- Vitamin B6
- Vitamin C
- Vitamin D
- Vitamin E
- Vitamin K
- Zinc

## Calculated Extended Attributes

The majority of the required nutrition attributes are represented by calculated extended attributes. While the nutrient profiles and formulation output materials store the “Serving Size”, “Per Serving(100 g)”, and “Per Serving” nutrient values, calculated extended attributes are used to expose/calculate the “Per Serving”, “Rounded”, “Overrides“, “Final Per Serving“ and “%DV“ for the nutrient information needed to produce a Nutrition Facts Panel reports.

Figures 7 though 11 show the exact configuration to create the Saturated Fat row within the US Facts Panel custom section. All remaining calculated extended attributes are very similar except for the specific Jscript used to perform calculations on specific nutrition attributes. Please refer to Appendix 2—Required Calculated Extended Attributes for a listing of all required calculated extended attributes that must be created to support the Nutrition Facts Panel Report Pack.

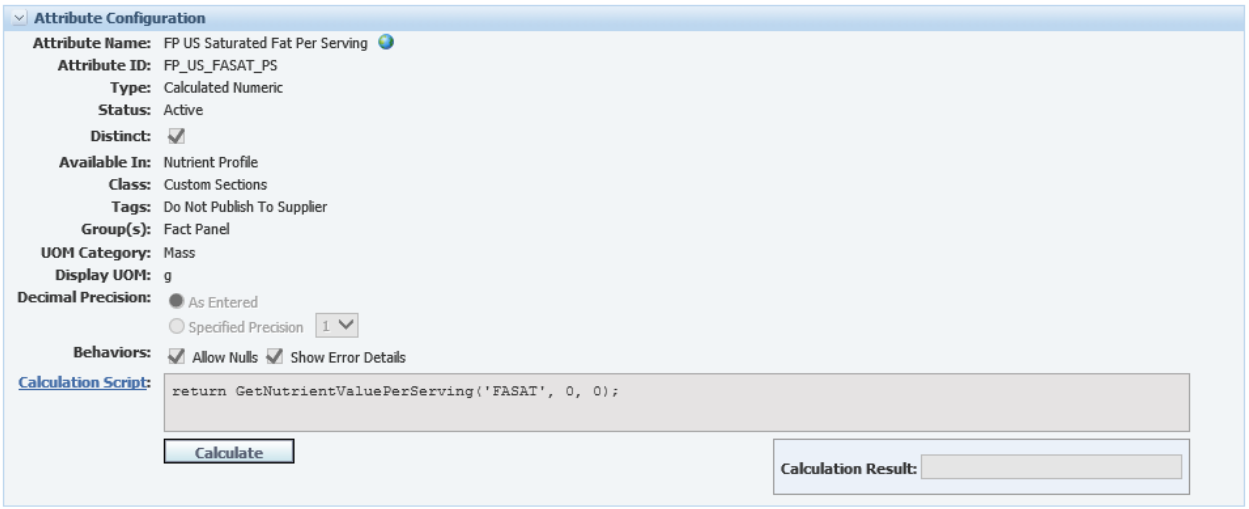



**Figure 7. FP Saturated Fat Per Serving**

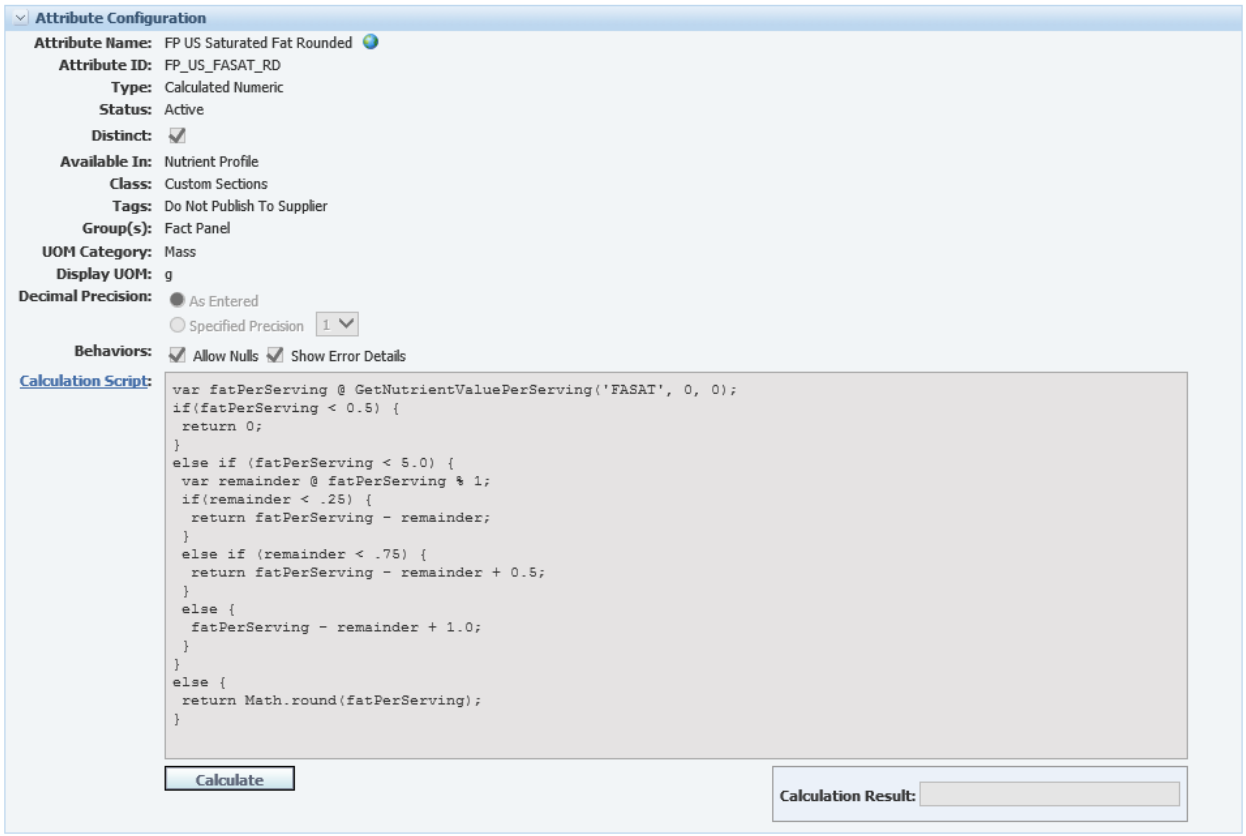



**Figure 8. FP Saturated Fat Rounded**

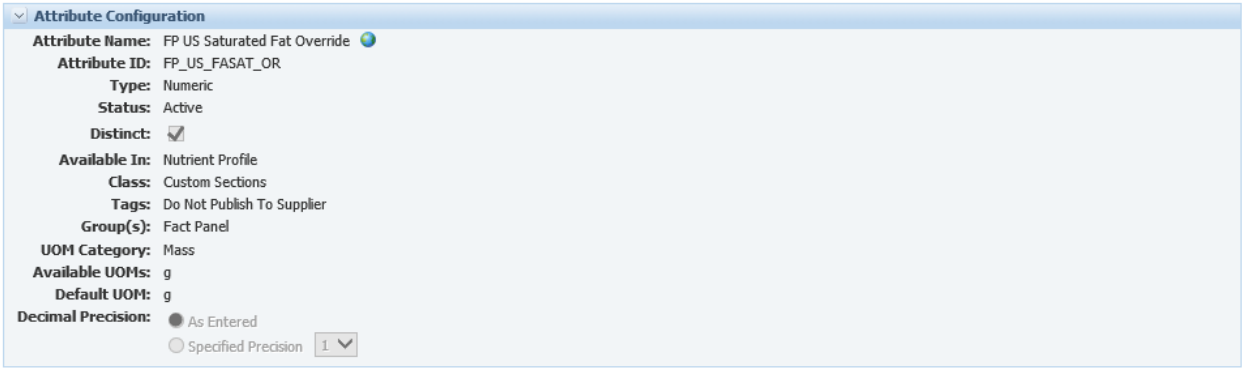



**Figure 9. FP Saturated Fat Override**

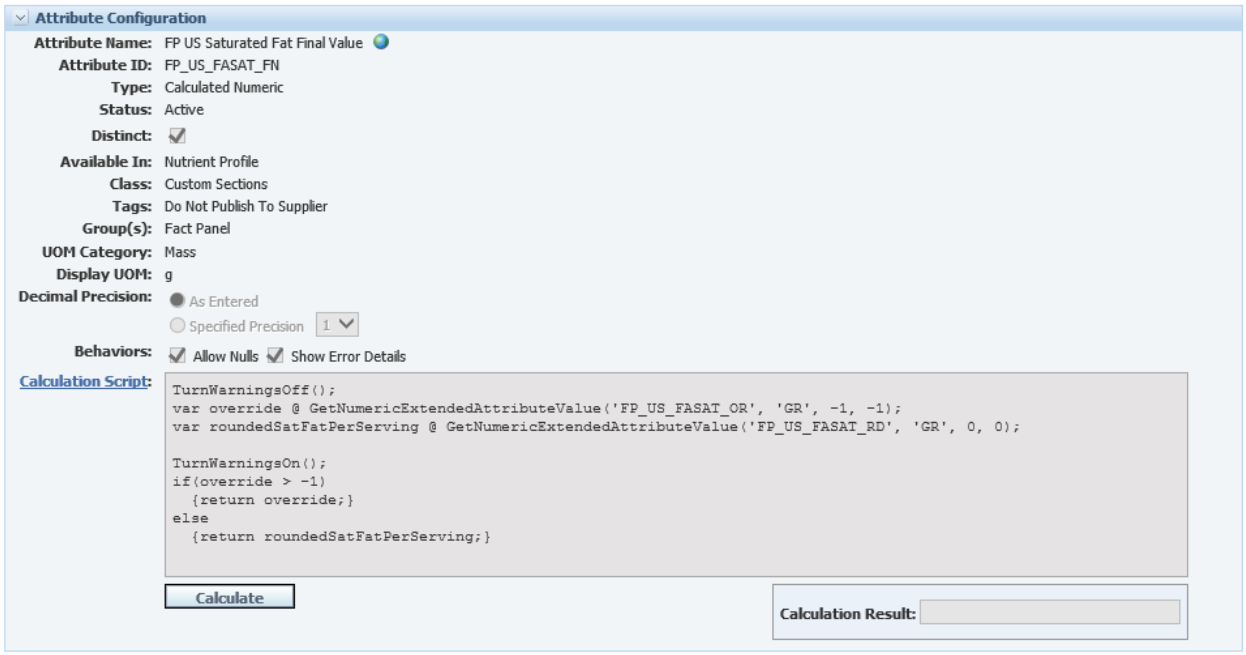



**Figure 10. FP Saturated Fat Final Value**


**Figure 11. FP Saturated Fat DV**

All “Per Serving Values”, “Rounded Values”, “Final Values” and “%DV” extended attributes should be created as follows:

- Type: “Calculated Numeric”
- Status: “Active”
- Distinct: “checked”
- Available In: <Null>
- Class: Custom Sections
- Tags: “Do Not Publish To Supplier”

- Group(s): "Fact Panel"
- UOM Category: "*Based on nutrient, See* Appendix 2—Required Calculated Extended Attributes"
- Display UOM: "*Based on nutrient, See* Appendix 2—Required Calculated Extended Attributes"
- Decimal Precision: "As Entered"
- Behaviors: Allow Nulls – "Checked" and Show Error Details - "Checked"
- Calculation Script: "*Based on nutrient, See* Appendix 2—Required Calculated Extended Attributes"

All "Override" extended Attributes should be created as follows:

- Type: "Numeric"
- Status: "Active"
- Distinct: "checked"
- Available In: <Null>
- Class: Custom Sections
- Tags: "Do Not Publish To Supplier"
- Group(s): "Fact Panel"
- UOM Category: "*Based on nutrient, See* Appendix 2—Required Calculated Extended Attributes"
- Available UOM: "*Based on nutrient, See* Appendix 2—Required Calculated Extended Attributes"
- Default UOM: "*Based on nutrient, See* Appendix 2—Required Calculated Extended Attributes"
- Decimal Precision: "As Entered"

***Very Important*:** Each extended attribute must be created as a "**Distinct**" attribute to support the Oracle BI Publisher SQL script that provides the nutrition data for the report pack.

***Note***: See the *Agile Product Lifecycle Management for Process Extended Attribute Calculation Guide* for more information on calculate extended attributes, and Appendix B of the *Agile Product Lifecycle Management for Process Administration User Guide* for a listing of all variables and InFoods IDs needed to pull nutrient and serving size values from specifications.

### Extended Attribute Naming Convention

When creating extended attributes, it is very important to think through the naming conventions. Standardizing your naming conventions for your extended attributes will make it much easier to search for specific extended attributes. Knowing that the calculated extended attributes for the Nutrition Facts Panel Report Pack supports both Canadian and United States facts panels, a complete set of extended attributes that represent each of the nutrient values for both regionally defined regulatory standards must be created. When creating the new extended attributes it might be helpful to consider the following nomenclature:

[FP] [REGION] [INFOODSID] [USE]

Example of "US Carbohydrates Percent Daily Value":

**FP US CHOCDF DV**

Where,

**FP =** Fact Panel (primarily used for extended attribute user lookup)

**REGION =** Country/Region the EA is associated (i.e. US and CN)

**INFOODSID =** Abbreviation for nutrients adopted from InFoodsID

**USE =** Describes the nutritional calculations

- PS = Per Serving
- RD = Rounded
- FN = Final Values
- DV = Percent Daily Values
- OR = Overrides
- RI = Reference Intake
- 100g = Per 100g

InFoods is an international recognized organization that establishes international guidelines and standards for food and component nomenclature, data interchange, compilation, data checks, conversions, sampling, and data quality.

***Note*:** Added Sugar, Sugar Alcohol and Other Carbohydrates do not currently have a defined InFoods ID.

### Rounding Rules

All rounding rules and %DV rules needed for the calculated extended attributes can be obtained at the following web addresses:

US Rounding and %DV Rules:

http://www.fda.gov/food/guidanceregulation/guidancedocumentsregulatoryinformation/labelingnutrition/ucm064932.htm

Canadian Rounding and %DV Rules:

http://www.inspection.gc.ca/english/fssa/labeti/nutricon/nutriconapp3e.shtml

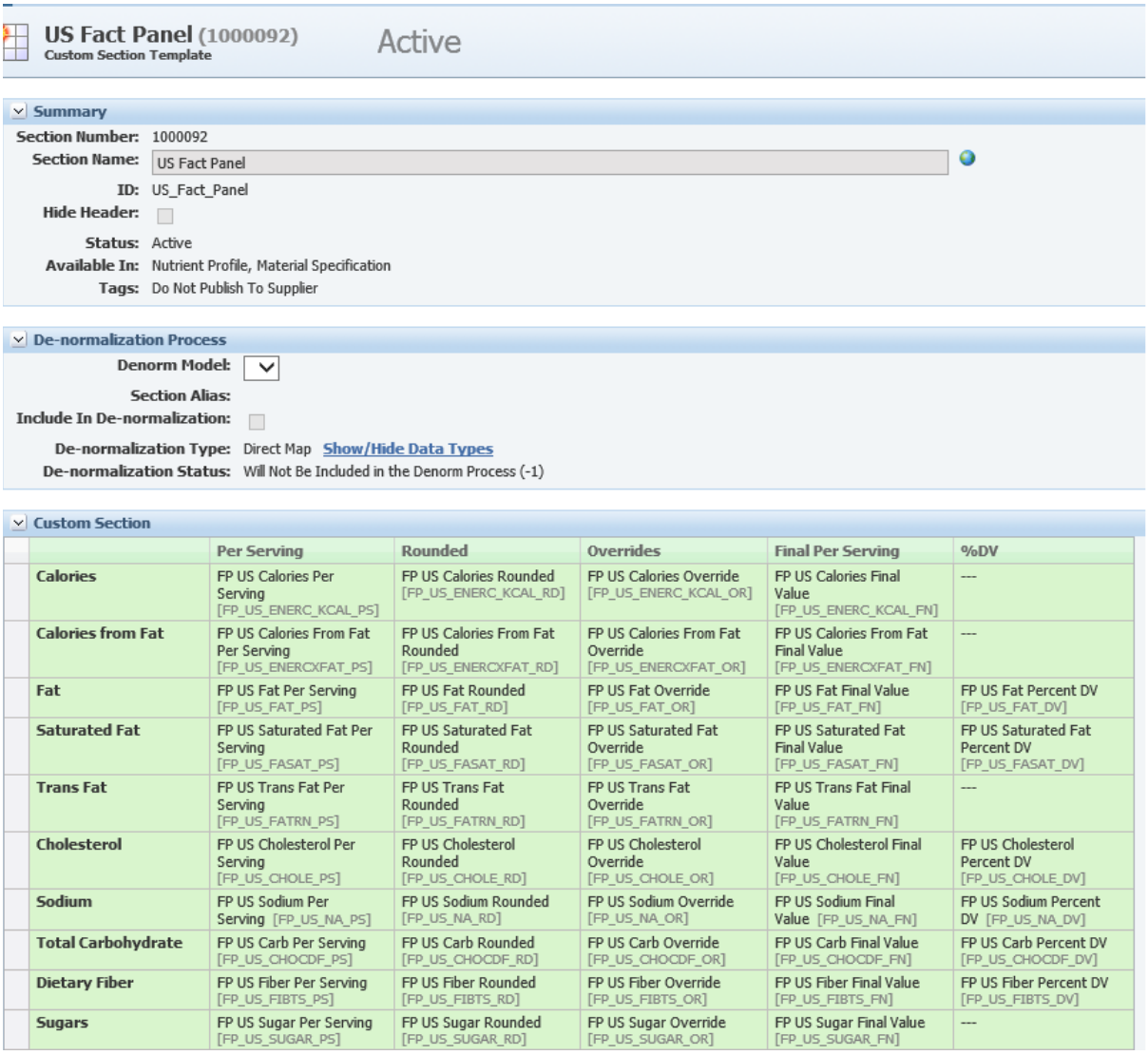
## Custom Sections

Both a United States Facts Panel and a Canada Facts Panel custom section must be created and contain the following columns: “Per Serving”, “Rounded”,” Overrides”, “Final Per Serving”, “%DV”. Since this is a custom section, additional columns can be added as needed to meet specific business requirements.

The “US Fact Panel” and “CN Fact Panel” custom sections must be created to support the report. The following information should be used to create both custom sections:

- Section Name: US Fact Panel or CN Fact Panel
- ID: US_Fact_Panel or CN_Fact_Panel
- Hide Header: Null
- Status: Active
- Available In: Nutrient Profiles, Formulation Specifications
- Tags: Do Not Publish To Supplier
- Denorm Model: Null
- Section Alias: Null
- Include In De-norm: Null
- De-norm Type: Direct Map
- De-norm Status: Will Not Be Included in the Denorm Process (-1)

In most cases, each row of the “US Facts Panel” and “Canada Facts Panel” customs sections represent an individual nutrient that can be found on the Nutrition Panel tab. Since regulatory agencies do not call for “%DV” values on all nutrition attributes, some custom section cells will be left blank. Depending on your business requirements, your custom section could include all required and voluntary nutrients as defined by each region in which the custom section is defined. The delivered data models currently support all required and voluntary nutrients defined by both United States and Canada regulatory agencies. Figure 12 displays a partial view of the US Facts Panel custom section for all required and voluntary nutrients.



**US Fact Panel** (1000092)
Custom Section Template

Active

**Summary**

Section Number: 1000092
Section Name: US Fact Panel
ID: US_Fact_Panel
Hide Header:
Status: Active
Available In: Nutrient Profile, Material Specification
Tags: Do Not Publish To Supplier

**De-normalization Process**

Denorm Model:
Section Alias:
Include In De-normalization:
De-normalization Type: Direct Map Show/Hide Data Types
De-normalization Status: Will Not Be Included in the Denorm Process (-1)

**Custom Section**

| | Per Serving | Rounded | Overrides | Final Per Serving | %DV |
|---|---|---|---|---|---|
| **Calories** | FP US Calories Per Serving [FP_US_ENERC_KCAL_PS] | FP US Calories Rounded [FP_US_ENERC_KCAL_RD] | FP US Calories Override [FP_US_ENERC_KCAL_OR] | FP US Calories Final Value [FP_US_ENERC_KCAL_FN] | --- |
| **Calories from Fat** | FP US Calories From Fat Per Serving [FP_US_ENERCXFAT_PS] | FP US Calories From Fat Rounded [FP_US_ENERCXFAT_RD] | FP US Calories From Fat Override [FP_US_ENERCXFAT_OR] | FP US Calories From Fat Final Value [FP_US_ENERCXFAT_FN] | --- |
| **Fat** | FP US Fat Per Serving [FP_US_FAT_PS] | FP US Fat Rounded [FP_US_FAT_RD] | FP US Fat Override [FP_US_FAT_OR] | FP US Fat Final Value [FP_US_FAT_FN] | FP US Fat Percent DV [FP_US_FAT_DV] |
| **Saturated Fat** | FP US Saturated Fat Per Serving [FP_US_FASAT_PS] | FP US Saturated Fat Rounded [FP_US_FASAT_RD] | FP US Saturated Fat Override [FP_US_FASAT_OR] | FP US Saturated Fat Final Value [FP_US_FASAT_FN] | FP US Saturated Fat Percent DV [FP_US_FASAT_DV] |
| **Trans Fat** | FP US Trans Fat Per Serving [FP_US_FATRN_PS] | FP US Trans Fat Rounded [FP_US_FATRN_RD] | FP US Trans Fat Override [FP_US_FATRN_OR] | FP US Trans Fat Final Value [FP_US_FATRN_FN] | --- |
| **Cholesterol** | FP US Cholesterol Per Serving [FP_US_CHOLE_PS] | FP US Cholesterol Rounded [FP_US_CHOLE_RD] | FP US Cholesterol Override [FP_US_CHOLE_OR] | FP US Cholesterol Final Value [FP_US_CHOLE_FN] | FP US Cholesterol Percent DV [FP_US_CHOLE_DV] |
| **Sodium** | FP US Sodium Per Serving [FP_US_NA_PS] | FP US Sodium Rounded [FP_US_NA_RD] | FP US Sodium Override [FP_US_NA_OR] | FP US Sodium Final Value [FP_US_NA_FN] | FP US Sodium Percent DV [FP_US_NA_DV] |
| **Total Carbohydrate** | FP US Carb Per Serving [FP_US_CHOCDF_PS] | FP US Carb Rounded [FP_US_CHOCDF_RD] | FP US Carb Override [FP_US_CHOCDF_OR] | FP US Carb Final Value [FP_US_CHOCDF_FN] | FP US Carb Percent DV [FP_US_CHOCDF_DV] |
| **Dietary Fiber** | FP US Fiber Per Serving [FP_US_FIBTS_PS] | FP US Fiber Rounded [FP_US_FIBTS_RD] | FP US Fiber Override [FP_US_FIBTS_OR] | FP US Fiber Final Value [FP_US_FIBTS_FN] | FP US Fiber Percent DV [FP_US_FIBTS_DV] |
| **Sugars** | FP US Sugar Per Serving [FP_US_SUGAR_PS] | FP US Sugar Rounded [FP_US_SUGAR_RD] | FP US Sugar Override [FP_US_SUGAR_OR] | FP US Sugar Final Value [FP_US_SUGAR_FN] | --- |

**Figure 12. US Facts Panel Custom Section**

## Custom Section Naming Convention

Like extended attributes, it is very helpful to think through the naming conventions. When creating the custom sections consider the following nomenclature:

[REGION] Fact Panel

Example of "United States Fact Panel"

**US Fact Panel**

Where,

**REGION =** Country/Region the Custom Section represents (i.e. US, EU or CN), and

**Facts Panel** is simply used to identify the custom section

For additional information on custom section creation, please refer to *Agile Product Lifecycle Management for Process Administrator User Guide*.

# Chapter 7—Oracle BI Publisher Data Models

The Nutrition Facts Panel reports are supported by eight Oracle BI Publisher data models. The data models include all required and voluntary nutrients as defined by Canadian Food Inspection Agency and the United States Food and Drug Administration. The data models also include specific Nutrition Facts panel verbiage (i.e. Servings per Container, Amount, Less Than, etc) that is language aware. Users can further customize the reports to include any additional nutrient requirements for your specific business. Figure 13 shows an example of the Trade Hierarchy Fact Panel data model that supports the United States Standard Nutrition Facts Panel Report.

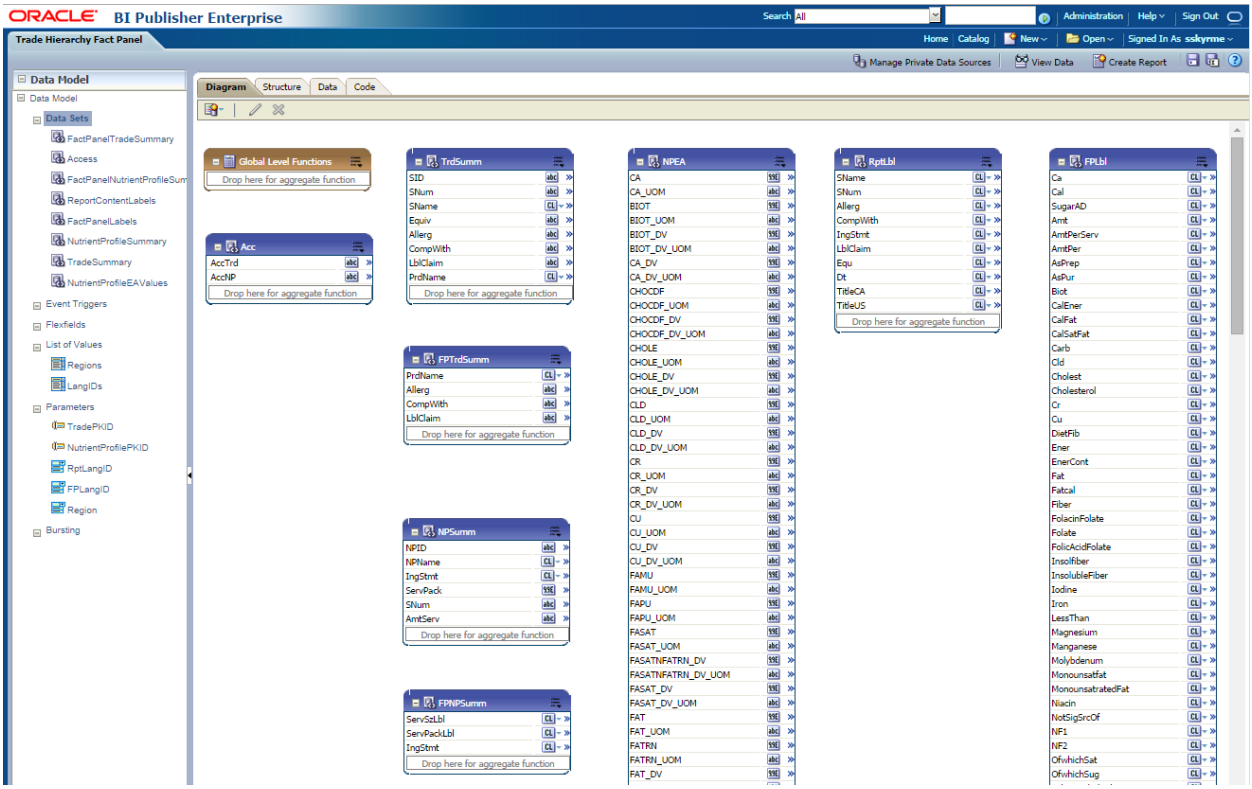



**Figure 13. Trade Hierarchy Fact Panel Data Model**

For the New RI and Per 100 items, they exist in below data models:

- Fact Panel TRD Aggregate
- Fact Panel TRD Standard
- Fact Panel TRD Standard Multilingual
- Fact Panel FRM Dual Column Multilingual
- Fact Panel FRM Dual Column

- Fact Panel FRM Standard Multilingual
- Fact Panel FRM Standard

## How do you create a new report that includes RI% and Rounded 100g Data?

Steps in Core:

1. Create an extended attribute with a defined EA ID, like 'FP_UK_FAT_100G'.
2. Create a custom section with the above extended attribute.

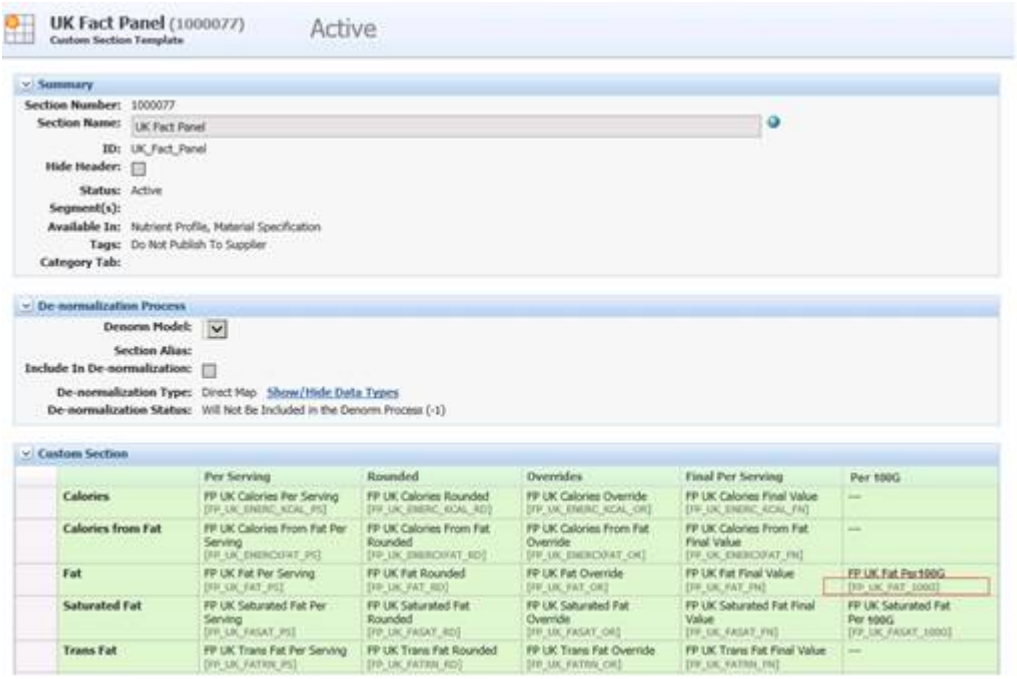
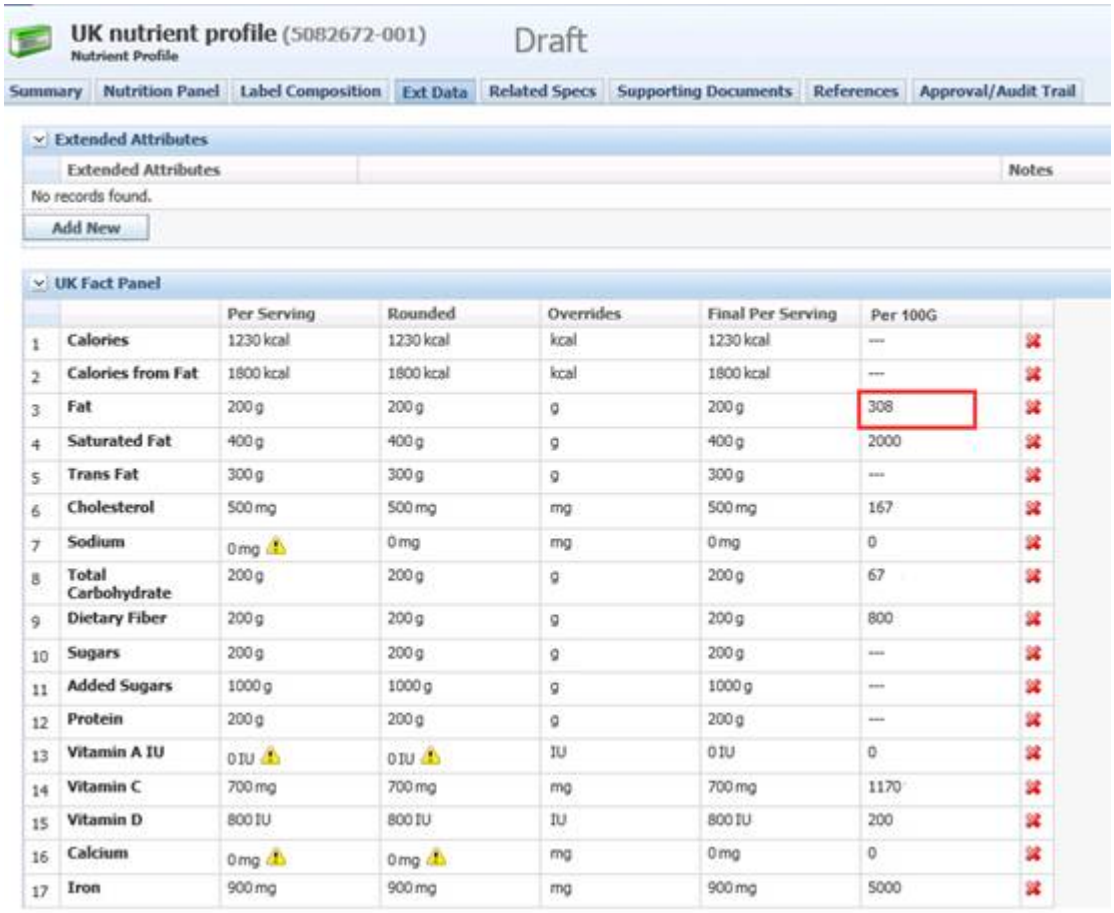



**Figure 14. Custom Section Containing the Extended Attribute**

3. Add the custom section to the target nutrient profile.



UK nutrient profile (5082672-001) Draft
Nutrient Profile

Summary | Nutrition Panel | Label Composition | Ext Data | Related Specs | Supporting Documents | References | Approval/Audit Trail

Extended Attributes

| Extended Attributes | Notes |
|---|---|
| No records found. | |

Add New

UK Fact Panel

| | | Per Serving | Rounded | Overrides | Final Per Serving | Per 100G |
|---|---|---|---|---|---|---|
| 1 | Calories | 1230 kcal | 1230 kcal | kcal | 1230 kcal | --- |
| 2 | Calories from Fat | 1800 kcal | 1800 kcal | kcal | 1800 kcal | --- |
| 3 | Fat | 200 g | 200 g | g | 200 g | 308 |
| 4 | Saturated Fat | 400 g | 400 g | g | 400 g | 2000 |
| 5 | Trans Fat | 300 g | 300 g | g | 300 g | --- |
| 6 | Cholesterol | 500 mg | 500 mg | mg | 500 mg | 167 |
| 7 | Sodium | 0 mg | 0 mg | mg | 0 mg | 0 |
| 8 | Total Carbohydrate | 200 g | 200 g | g | 200 g | 67 |
| 9 | Dietary Fiber | 200 g | 200 g | g | 200 g | 800 |
| 10 | Sugars | 200 g | 200 g | g | 200 g | --- |
| 11 | Added Sugars | 1000 g | 1000 g | g | 1000 g | --- |
| 12 | Protein | 200 g | 200 g | g | 200 g | --- |
| 13 | Vitamin A IU | 0 IU | 0 IU | IU | 0 IU | 0 |
| 14 | Vitamin C | 700 mg | 700 mg | mg | 700 mg | 1170 |
| 15 | Vitamin D | 800 IU | 800 IU | IU | 800 IU | 200 |
| 16 | Calcium | 0 mg | 0 mg | mg | 0 mg | 0 |
| 17 | Iron | 900 mg | 900 mg | mg | 900 mg | 5000 |

**Figure 15. Custom Section added to Nutrient Profile**

Steps in BI Publisher:

4. Log in to BI Publisher.
5. Edit the **NUTPSTDSGL-US** report layout, and drag 'FAT_100G' to the desired position.
6. Save the change. Refer to the BI Publisher appendix of the *Agile Product Lifecycle Management for Process Install/Upgrade Guide* for more guidance.

# Chapter 8—Customizing & Configuring Your Reports

## How do you use your existing extended data in the reports?

If your existing extended attributes have different IDs than detailed in Appendix 2 you will need to re-map your IDs. The Fact Panel Data Model retrieves its nutritional values from Extended Attributes. A database table, ReportingEAIDMapping, is used to determine which Extended Attributes to pull from. When running the DB Layer SQL scripts, this table is created and populated with EA IDs that customers will most likely not have. There are 2 deployment options.

1. Create Extended Attributes as descibred above that correspond with the out of the box IDs.

2. Use Extended Attributes with different IDs and update the ReportingEAIDMapping table to point to these these Extended Attributes. One simple way of doing this is to updated the CustomerSpecific_ReportingEAIDMapping_SQLServer.sql or CustomerSpecific_ReportingEAIDMapping_Oracle.sql script, locate in the <EP_HOME>\ReferenceImplementations\ReferenceReportPacks\GSM\Scripts\ directory, by replacing the out of the box Extended Attribute IDs with the customer specific IDs. This script will delete all rows from this table if it exists and then insert the updated mappings. For example, take the following insert statement::

```
insert into ReportingEAIDMapping (GenericEAID, Region, CustomerEAID)
values ('BIOT', 'US', 'FP_US_BIOT_FN');
```

   The out of the box Extended Attribute ID is 'FP_US_BIOT_FN'. If the customer uses an Extended Attribute with an ID of '*US_BIOTIN_F*' then the insert statement should change to:

```
insert into ReportingEAIDMapping (GenericEAID, Region, CustomerEAID)
values ('BIOT', 'US', 'US_BIOTIN_F');
```

   See Appendix 2—Required Calculated Extended Attributes for a list of all the out of the box IDs with their corresponding names.

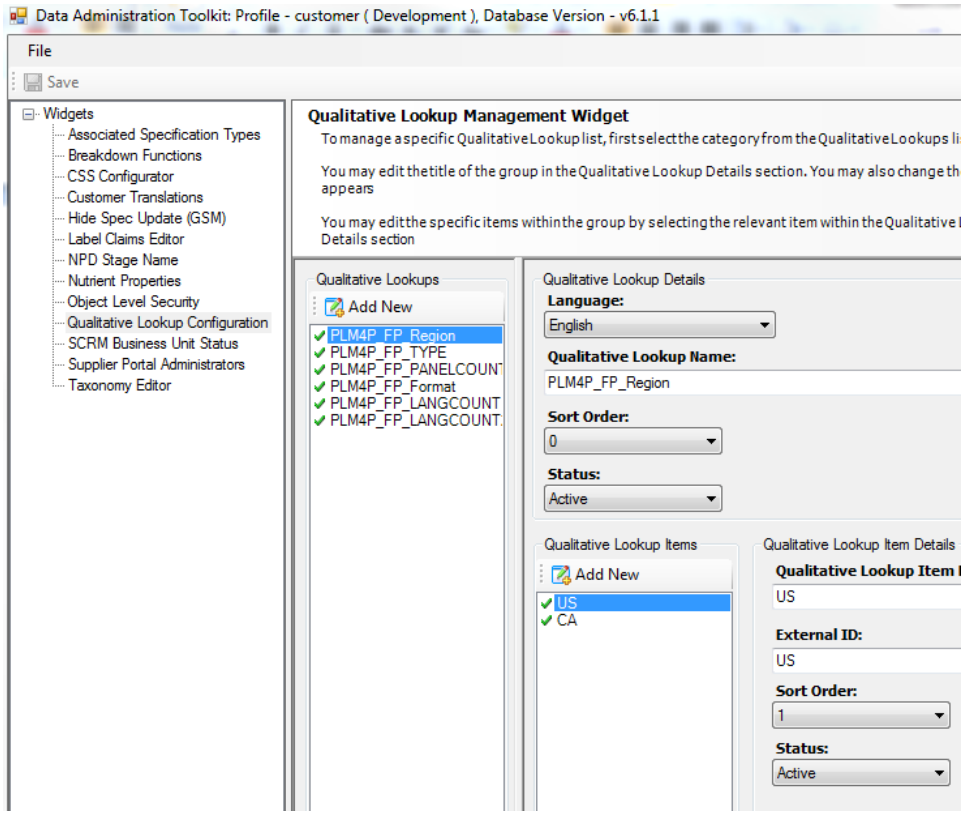
Once this table is populated with the proper Extended Attribute IDs, the Fact Panel reports will use them.

## How do you add a new region?

The Fact Panel Report Pack currently supports US and Canadian regulatory requirements. To support a new regulatory body or geographical region you'll need to do the following:

1. **Add New Region Admin Data:** Create the new Region in an existing Qualitative Lookup by using the Data Adminstration Toolkit. After launching the toolkit select 'Qualitative Lookup

Configuration' under 'Widgets' in the left hand navigation. In the center pane, select 'PLM4P_FP_Region'. Select the 'Add New' button and in the right pane add the new region. Follow the Data Adminstration Toolkit process to deploy this change to your environment.




2. **Add New Extended Attributes**: If needed, create a new set of Extended Attributes using the Data Admin application.

3. **Map new Extended Attrbutes to the new Region:** In order for the report to use the new Extended Attributes they will need to be mapped to the Region by inserting data into the ReportingEAIDMapping table. The below script, and also provided as script CreateExtendedAttributesForNewRegion.sql, will create 'insert' statements for new Extended Attributes, based on those of another Region, provided you follow the same naming convention for the new Extended Attributes as the existing ones do. Before running this script, replace '_<NewRegion>_' with the actual name of the region. Also update the existing region to copy.

```
 select
'insert into ReportingEAIDMapping (GenericEAID, Region, CustomerEAID)
values ( ''' + GenericEAID+ ''', ''<NewRegion>'',
'''+replace(CustomerEAID,'_US_','_<NewRegion>_')+''');'
from ReportingEAIDMapping
where Region='US';
```

4. **Create BI Publisher Report:** Copy and existing Fact Panel report and make the necessary formatting changes. The new report could use the existing Data Model, but the new region will need to be passed in as a parameter. The new Region should be added to the Regions 'List of Values' in the Data Model.

5. **Update Report Dialog to recognize new region.** For each new report created a new row will need to be added to the rpt_factpanel table.

   The rpt_factpanel table controls what choices are presented to the end user. The following table describes the relevant columns. Updating these columns will change what is dislayed in the Report Dialog and how the Report is called. Please see the 'Report Dialog' section of the *Agile Product Lifecycle Management for Process Reporting Guide* for more information explaining how the Report Dialog application works.

| | |
|---|---|
| **FORMID** | "FactPanel" |
| **FP_REGION** | The region the report is available for, use country code if possible. Example US, CA. List is pulled from the Qualitative Lookup Configuration called 'PLM4P_FP_REGION' in the Data Administration Toolkit. The value defined in the External ID field is used. |
| **FP_FORMAT** | The available format of the report. Currently only "Standard" is available. List is pulled from Qualitative Lookup Configuration called 'PLM4P_FP_FORMAT' in the Data Administration Toolkit. The value defined in the External ID field is used. |
| **FP_TYPE** | The Type of report. Example Single, As Perpared, Aggregated. List is pulled from Qualitative Lookup Configuration called 'PLM4P_FP_TYPE' in the Data Administration Toolkit. The value defined in the External ID field is used. |
| **FP_PANELCOUNT** | Only relevant when the FP_TYPE is set to 3, which is "Aggregated". The value defines the number Fact Panels that the report displays. |
| **FP_LANGUAGE1**<br>**FP_LANGUAGE2**<br>**FP_LANGUAGE3** | Provides the LanguageID options for the labels of the actual Fact Panel such as "TotalFat" as opposed to the other report labels that are not part of the actual Fact Panel. FP_LANGUAGE1 will hold the options for the first language, left most. FP_LANGUAGE2 and FP_LANGUAGE3 will hold the options for the second and third languages for a multilingual report. |
| **FP_REPORTLANG** | Provides the LanguageID options for the report labels that are not part of the actual Fact Panel, such as "Spec Name". |
| **HOST_TYPE** | Spec Type number that the report is associated with. |
| **REPORT_FILENAME** | BI Publisher name of report |
| **REPORT_ID** | ID to uniquely identify report |
| **PARAMTER_CLASS** | Class which is called to build URL for report. "Class:Oracle.Agile.PlmProcess.ReportDialog.Lib.Common.SpecRelatedParameterGenerator,ReportDialog" |

For example, if you created a single language report for the China region called NUTPSTDSGL-CN.xdo you would add the following row to this table.

```
insert into RPT_FactPanel ( FORMID, fp_region, fp_format, fp_type, fp_panelCount,
fp_Language1, fp_Language2, fp_Language3, fp_reportLang, fp_FormulaOutput,
fp_FormulaOutput2, HOST_TYPE, REPORT_FILENAME, REPORT_ID, PARAMETER_CLASS ) SELECT
'FactPanel', 'CN', '1', '1', NULL, '0,1,2', 'EMPTY', NULL, '0,1,2', '*', NULL, ' 5750
```

```
', ' NUTPSTDSGL-CN.xdo ', 'CN1',
'Class:Oracle.Agile.PlmProcess.ReportDialog.Lib.Common.SpecRelatedParameterGenerator,Re
portDialog' FROM DUAL WHERE NOT EXISTS(SELECT 1 FROM RPT_FactPanel WHERE REPORT_ID
='CN1');
```

If this new Region will share an existing report then append the new Region to the existing Region(s) in the Region column. This list will need to be comma separated.

6. **Update ReportDialog.xml to point to the right BI Publisher subfolder.** You need to tell the Report Dialog which BI Publisher subfolder your new report is in. The example below will direct all reports that start with the ID "CN" to a specific BI Publisher subfolder.

```
<ReportDirectory REPORTID="CN*" URL="@@VAR:Prodika.ReportServer.URL@@/<SUBFOLDER>" />
```

## How do you add a new nutrient item?

The out of the box reports may not include all of the nutrients you need to see in a fact panel. Do the following to add a new nutrient:

1. Manually create one or many Extended Attributes for this nutrient. The number of Extended Attributes will depend on the number of Regions it is applicable to.
2. Map the new Extended Attributes to the Regions by adding a row for each Extended Attribute to the ReportingEAIDMapping table.
3. Update the Data Models to include new the new Nutrient.
4. Update the reports to include the new Nutrients.

## How do you add a new language for an existing report?

The out of the box reports support English, Spanish and French. To support additional languages in these reports you'll need to do the following.

The labels for these reports are pulled from a table that supports multiple languages. In order for the report to function properly, this table must contain the labels with the appropriate language ID.

1. Verify you have the needed translations for the new language by executing the below script and ensuring the translations exist and are correct. Change the <NewLangID> parameter to the language ID you are supporting.
   ```
   select * from ReportingFactPanelNutrientsML where LangID=<NewLangID>;
   ```
2. If label translations are need to be added, use the below script. Update the '<NewLangID>' place holder prior to runnning. This script will create SQL Insert statements to create rows that match those translations of LangID = 0. Then update the scripts with the new translations by replacing the <NewValue> place holder.

   ```
   select
   ```

```
'insert into ReportingFactPanelNutrientsML (ID, Value, LangID)
values ( '''+ID+''', ''<NewValue>'', <NewLangID>);'
from ReportingFactPanelNutrientsML
where LangID=0
```

3. Make the new language available to the Report Dialog by updating the rpt_factpanel table. The below script is an example SQL update statement that appends the new Lang ID to the fp_language1 column for a specific report name. Update the <NewLangID> and <ReportName> placeholders before executing. Do the same update to the fp_language2 and fp_language3 columns for multilingual reports.

```
update rpt_factpanel
set fp_language1 = fp_Language1+',<NewLangID>'
where
REPORT_FILENAME='<ReportName>'
```

# Appendix 1—Report Overviews

| Report Name | Report Long Name | Report Description | Data Model |
|---|---|---|---|
| **TRDSTDAGG2-CA.xdo** | Trade Aggregate 2 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 2 Consumer Unit trade specifications. It includes a Canada Aggregate Nutrition Facts Panel that displays the nutrition data from 2 Active nutrient profiles of the parent Traded Unit's hierarchy, as well as the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | Fact Panel TRD Aggregate |
| **TRDSTDAGG3-CA.xdo** | Trade Aggregate 3 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 3 Consumer Unit trade specifications. It includes a Canada Aggregate Nutrition Facts Panel that displays the nutrition data from 3 Active nutrient profiles of the parent Traded Unit's hierarchy, as well as the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units' specifications. | Fact Panel TRD Aggregate |
| **TRDSTDAGG4-CA.xdo** | Trade Aggregate 4 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 4 Consumer Unit Trade Specifications. It includes a Canada Aggregate Nutrition Facts Panel that displays the nutrition data from 4 Active Nutrient Profiles of the parent Traded Unit's hierarchy, as well as the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | Fact Panel TRD Aggregate |
| **TRDSTDAGG2-CA-BI.xdo** | Trade Bilingual Aggregate 2 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 2 Consumer Unit Trade specifications. It includes a Canada Bilingual Aggregate Nutrition Facts Panel that displays the nutrition data from 2 Active Nutrient Profiles of the parent Traded Unit's hierarchy, as | Fact Panel TRD Aggregate Multilingual |

| Report Name | Report Long Name | Report Description | Data Model |
|---|---|---|---|
| | | well as the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | |
| **TRDSTDAGG3-CA-BI.xdo** | Trade Bilingual Aggregate 3 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 3 Consumer Unit Trade specifications. It includes a Canada Bilingual Aggregate Nutrition Facts Panel that displays the nutrition data from 3 Active Nutrient Profiles of the parent Traded Unit's hierarchy, as well as the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | Fact Panel TRD Aggregate Multilingual |
| **TRDSTDAGG4-CA-BI.xdo** | Trade Bilingual Aggregate 4 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 4 Consumer Unit Trade specifications. It includes a Canada Bilingual Aggregate Nutrition Facts Panel that displays the nutrition data from 4 Active Nutrient Profiles of the parent Traded Unit's hierarchy, as well as the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | Fact Panel TRD Aggregate Multilingual |
| **TRDSTDASP-CA.xdo** | Trade As Packaged-As Prepared Dual Column Nutrition Facts Panel Report | This report is designed to launch from a Trade specification and includes a Canada Dual Column Nutrition Facts Panel for an As Packaged/As Prepared product. The report displays the nutrition data and ingredient statement from the related nutrient profiles identified "as packaged". The "As Package" information is pulled from the "Active" Nutrient Profile, while the "As Prepared" information is pulled from the Nutrient Profile what contains the configured workflow tag for the Report Dialog application (see | Fact Panel TRD Aggregate |

| Report Name | Report Long Name | Report Description | Data Model |
|---|---|---|---|
| | | installation instructions). The allergens, label claims and complies with information is pulled from the Trade specification that the report was launched. | |
| **TRDSTDASP-CA-BI.xdo** | Trade As Packaged-As Prepared Bilingual Dual Column Nutrition Facts Panel Report | This report is designed to launch from a Trade specification and includes a Canada Bilingual Dual Column Nutrition Facts Panel for an As Packaged/As Prepared product. The report displays the nutrition data and ingredient statement from the related nutrient profiles identified "as packaged". The "As Package" information is pulled from the "Active" Nutrient Profile, while the "As Prepared" information is pulled from the Nutrient Profile what contains the configured workflow tag for the Report Dialog application (see installation instructions). The allergens, label claims and complies with information is pulled from the Trade specification that the report was launched. | Fact Panel TRD Aggregate Multilingual |
| **TRDSTDSGL-CA.xdo** | Trade Standard Nutrition Facts Panel Report | This report is launched from a trade specification and includes a Canada Standard Nutrition Facts Panel that displays the nutrition data and ingredient statement of the directly related "Active" Nutrient Profile, as well as the trade specification's allergens, label claims and complies with information. | Fact Panel TRD Standard |
| **TRDSTDSGL-CA-BI.xdo** | Trade Standard Bilingual Nutrition Facts Panel Report | This report is launched from a trade specification and includes a Canada Bilingual Standard Nutrition Facts Panel that displays the nutrition data and ingredient statement of the directly related "Active" nutrient profile, as well as the trade specification's allergens, label claims and complies with information. | Fact Panel TRD Standard Multilingual |

| Report Name | Report Long Name | Report Description | Data Model |
|---|---|---|---|
| **TRDSTDAGG2-US.xdo** | Trade Aggregate 2 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with two Consumer Unit trade specifications. It includes a US Aggregate Nutrition Facts Panel that displays the nutrition data from 2 Active nutrient profiles of the parent Traded Unit's hierarchy, as well as the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | Fact Panel TRD Aggregate |
| **TRDSTDAGG3-US.xdo** | Trade Aggregate 3 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 3 Consumer Unit trade specifications. It includes a US Aggregate Nutrition Facts Panel that displays the nutrition data from 3 Active nutrient profiles of the parent Traded Unit's hierarchy, as well as the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | Fact Panel TRD Aggregate |
| **TRDSTDAGG4-US.xdo** | Trade Aggregate 4 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 4 Consumer Unit trade specifications. It includes a US Aggregate Nutrition Facts Panel that displays the nutrition data from 4 Active nutrient profiles of the parent Traded Unit's hierarchy, as well as, the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | Fact Panel TRD Aggregate |
| **TRDSTDAGG2-US-BI.xdo** | Trade Bilingual Aggregate 2 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 2 Consumer Unit trade specifications. It includes a Canada Bilingual Aggregate Nutrition Facts Panel that displays the nutrition data from 2 Active Nutrient Profiles of the parent Traded Unit's hierarchy, as well as, the ingredient statements. The allergens, label claims and | Fact Panel TRD Aggregate Multilingual |

| Report Name | Report Long Name | Report Description | Data Model |
|---|---|---|---|
| | | complies with information is pulled from each of the Consumer Units specifications. | |
| **TRDSTDAGG3-US-BI.xdo** | Trade Bilingual Aggregate 3 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 3 Consumer Unit trade specifications. It includes a US Bilingual Aggregate Nutrition Facts Panel that displays the nutrition data from 3 Active nutrient profiles of the parent Traded Unit's hierarchy, as well as, the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | Fact Panel TRD Aggregate Multilingual |
| **TRDSTDAGG4-US-BI.xdo** | Trade Bilingual Aggregate 4 Nutrition Facts Panel Report | This report is designed to launch from a parent trade specification with 4 Consumer Unit trade specifications. It includes a US Bilingual Aggregate Nutrition Facts Panel that displays the nutrition data from 4 Active nutrient profiles as well as the ingredient statements. The allergens, label claims and complies with information is pulled from each of the Consumer Units specifications. | Fact Panel TRD Aggregate Multilingual |
| **TRDSTDASP-US.xdo** | Trade As Packaged-As Prepared Dual Column Nutrition Facts Panel Report | This report is designed to launch from a trade specification and includes a US Dual Column Nutrition Facts Panel for an As Packaged/As Prepared product. The report displays the nutrition data and ingredient statement from the related nutrient profiles identified "as packaged". The "As Package" information is pulled from the "Active" nutrient profile, while the "As Prepared" information is pulled from the nutrient profile what contains the configured workflow tag for the Report Dialog application. The allergens, label claims and complies with information is pulled | Fact Panel TRD Aggregate |

| Report Name | Report Long Name | Report Description | Data Model |
|---|---|---|---|
| | | from the trade specification that the report was launched. | |
| **TRDSTDASP-US-BI.xdo** | Trade As Packaged-As Prepared Bilingual Dual Column Nutrition Facts Panel Report | This report is designed to launch from a trade specification and includes a US Bilingual Dual Column Nutrition Facts Panel for an As Packaged/As Prepared product. The report displays the nutrition data and ingredient statement from the related nutrient profiles identified "as packaged". The "As Package" information is pulled from the "Active" nutrient profile, while the "As Prepared" information is pulled from the nutrient profile what contains the configured workflow tag for the Report Dialog application. The allergens, label claims and complies with information is pulled from the trade specification that the report was launched. | Fact Panel TRD Aggregate Multilingual |
| **TRDSTDSGL-US.xdo** | Trade Standard Nutrition Facts Panel Report | This report is designed to launch from a trade specification includes a US Standard Nutrition Facts Panel that displays the nutrition data and ingredient statement of the directly related "Active" nutrient profile, as well as, the traded specification's allergens, label claims and complies with information. | Fact Panel TRD Standard |
| **TRDSTDSGL-US-BI.xdo** | Trade Standard Bilingual Nutrition Facts Panel Report | This report is designed to launch from a trade specification includes a US Bilingual Standard Nutrition Facts Panel that displays the nutrition data and ingredient statement of the directly related "Active" nutrient Profile, as well as, the traded specifications allergens, label claims and complies with information. | Fact Panel TRD Standard Multilingual |

| Report Name | Report Long Name | Report Description | Data Model |
|---|---|---|---|
| **NUTPSTDSGL-CA.xdo** | Nutrient Profile Standard Nutrition Facts Panel Report | This report is launched from a Nutrient Profile and includes a Canada Standard Nutrition Facts Panel that displays the nutrition data, as well as, ingredient statement of the nutrient profile. | Fact Panel TRD Standard |
| **NUTPSTDSGL-CA-BI.xdo** | Nutrient Profile Bilingual Nutrition Facts Panel Report | This report is launched from a nutrient profile and includes a Canada Bilingual Standard Nutrition Facts Panel that displays the nutrition data, as well as, ingredient statement of the nutrient profile. | Fact Panel TRD Standard Multilingual |
| **NUTPSTDSGL-US.xdo** | Nutrient Profile Standard Nutrition Facts Panel Report | This report is launched from a nutrient profile and includes a US Standard Nutrition Facts Panel that displays the nutrition data, as well as, ingredient statement of the nutrient profile. | Fact Panel TRD Standard |
| **NUTPSTDSGL-US-BI.xdo** | Nutrient Profile Bilingual Nutrition Facts Panel Report | This report is launched from a Nutrient Profile and includes a US Bilingual Standard Nutrition Facts Panel that displays the nutrition data, as well as, ingredient statement of the nutrient profile. | Fact Panel TRD Standard Multilingual |
| **FRMSTDSGL-CA.xdo** | Formulation Standard Nutrition Facts Panel Report | This report is designed to launch from a Formulation specification and includes a Canada Standard Nutrition Facts Panel that displays the nutrition data of the Formulation Output Window and the ingredient statement, allergens, label claims and complies with information of the directly produced Material Output specification. | Fact Panel FRM Standard |
| **FRMSTDSGL-CA-BI.xdo** | Formulation Bilingual Nutrition Facts Panel Report | This report is designed to launch from a Formulation specification and includes a Canada Bilingual Standard Nutrition Facts Panel that displays the nutrition data of the Formulation Output Window and the ingredient statement, allergens, label claims and complies with information of the directly produced Material Output specification. | Fact Panel FRM Standard Multilingual |

| Report Name | Report Long Name | Report Description | Data Model |
|---|---|---|---|
| **FRMSTDASP-CA.xdo** | Formulation As Packaged-As Prepared Dual Column Nutrition Facts Panel Report | This report is designed to launch from a Formulation specification and includes a Canada Dual Column Nutrition Facts Panel for an As Packaged/As Prepared product that displays the nutrition data from the selected External/Referenced Output (As Packaged), and from the selected "Consumer Prep" Output (As Prepared). The allergens, label claims and complies with information is pulled from the trade specification that the report was launched. | Fact Panel FRM Dual Column |
| **FRMSTDASP-CA-BI.xdo** | Formulation As Packaged-As Prepared Bilingual Dual Column Nutrition Facts Panel Report | This report is designed to launch from a Formulation specification and includes a Canada Bilingual Dual Column Nutrition Facts Panel for an As Packaged/As Prepared product that displays the nutrition data from the selected External/Referenced Output (As Packaged), and from the selected "Consumer Prep" Output (As Prepared). The allergens, label claims and complies with information is pulled from the trade specification that the report was launched. | Fact Panel FRM Dual Column Multilingual |
| **FRMSTDSGL-US.xdo** | Formulation Standard Nutrition Facts Panel Report | This report is designed to launch from a Formulation specification and includes a US Standard Nutrition Facts Panel that displays the nutrition data of the Formulation Output Window and the ingredient statement, allergens, label claims and complies with information of the directly produced Material Output specification. | Fact Panel FRM Standard |
| **FRMSTDSGL-US-BI.xdo** | Formulation Bilingual Nutrition Facts Panel Report | This report is designed to launch from a Formulation specification and includes a US Bilingual Standard Nutrition Facts Panel that displays the nutrition data of the Formulation Output window and the ingredient statement, allergens, label claims and complies with information of the directly produced Material Output specification. | Fact Panel FRM Standard Multilingual |

| Report Name | Report Long Name | Report Description | Data Model |
|---|---|---|---|
| **FRMSTDASP-US.xdo** | Formulation As Packaged-As Prepared Dual Column Nutrition Facts Panel Report | This report is designed to launch from a Formulation specification and includes a US Dual Column Nutrition Facts Panel for an As Packaged/As Prepared product that displays the nutrition data from the selected External/Referenced Output (As Packaged), and from the selected "Consumer Prep" Output (As Prepared). The allergens, label claims and complies with information is pulled from the trade specification that the report was launched. | Fact Panel FRM Dual Column |
| **FRMSTDASP-US-BI.xdo** | Formulation As Packaged-As Prepared Bilingual Dual Column Nutrition Facts Panel Report | This report is designed to launch from a Formulation specification and includes a US Bilingual Dual Column Nutrition Facts Panel for an As Packaged/As Prepared product that displays the nutrition data from the selected External/Referenced Output (As Packaged), and from the selected "Consumer Prep" Output (As Prepared). The allergens, label claims and complies with information is pulled from the trade specification that the report was launched. | Fact Panel FRM Dual Column Multilingual |

## Appendix 2—Required Calculated Extended Attributes

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP CA Biotin Final Value** | FP_CA_BIOT_FN | Mass | µg | |
| **FP CA Biotin Override** | FP_CA_BIOT_OR | Mass | µg | µg |
| **FP CA Biotin Per Serving** | FP_CA_BIOT_PS | Mass | µg | |
| **FP CA Biotin Percent DV** | FP_CA_BIOT_DV | Concentration | % | |
| **FP CA Biotin Rounded** | FP_CA_BIOT_RD | Mass | µg | |
| **FP CA Calcium Final Value** | FP_CA_CA_FN | Mass | mg | |
| **FP CA Calcium Override** | FP_CA_CA_OR | Mass | mg | mg |
| **FP CA Calcium Per Serving** | FP_CA_CA_PS | Mass | mg | |
| **FP CA Calcium Percent DV** | FP_CA_CA_DV | Concentration | % | |
| **FP CA Calcium Rounded** | FP_CA_CA_RD | Mass | mg | |
| **FP CA Calories Final Value** | FP_CA_ENERC_KCAL_FN | Energy | kcal | |
| **FP CA Calories From Fat Final Value** | FP_CA_ENERCXFAT_FN | Energy | kcal | |
| **FP CA Calories From Fat Override** | FP_CA_ENERCXFAT_OR | Energy | kcal | kcal |
| **FP CA Calories From Fat Per Serving** | FP_CA_ENERCXFAT_PS | Energy | kcal | |
| **FP CA Calories From Fat Rounded** | FP_CA_ENERCXFAT_RD | Energy | kcal | |
| **FP CA Calories Override** | FP_CA_ENERC_KCAL_OR | Energy | kcal | kcal |
| **FP CA Calories Per Serving** | FP_CA_ENERC_KCAL_PS | Energy | kcal | |
| **FP CA Calories Rounded** | FP_CA_ENERC_KCAL_RD | Energy | kcal | |
| **FP CA Carb Final Value** | FP_CA_CHOCDF_FN | Mass | g | |
| **FP CA Carb Override** | FP_CA_CHOCDF_OR | Mass | g | g |
| **FP CA Carb Per Serving** | FP_CA_CHOCDF_PS | Mass | g | |
| **FP CA Carb Percent DV** | FP_CA_CHOCDF_DV | Concentration | % | |
| **FP CA Carb Rounded** | FP_CA_CHOCDF_RD | Mass | g | |
| **FP CA Chloride Final Value** | FP_CA_CLD_FN | Mass | mg | |
| **FP CA Chloride Override** | FP_CA_CLD_OR | Mass | mg | mg |
| **FP CA Chloride Per Serving** | FP_CA_CLD_PS | Mass | mg | |
| **FP CA Chloride Percent DV** | FP_CA_CLD_DV | Concentration | % | |
| **FP CA Chloride Rounded** | FP_CA_CLD_RD | Mass | mg | |
| **FP CA Cholesterol Final Value** | FP_CA_CHOLE_FN | Mass | mg | |
| **FP CA Cholesterol Override** | FP_CA_CHOLE_OR | Mass | mg | mg |
| **FP CA Cholesterol Per Serving** | FP_CA_CHOLE_PS | Mass | mg | |
| **FP CA Cholesterol Percent DV** | FP_CA_CHOLE_DV | Concentration | % | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP CA Cholesterol Rounded** | FP_CA_CHOLE_RD | Mass | mg | |
| **FP CA Chromium Final Value** | FP_CA_CR_FN | Mass | µg | |
| **FP CA Chromium Override** | FP_CA_CR_OR | Mass | µg | µg |
| **FP CA Chromium Per Serving** | FP_CA_CR_PS | Mass | µg | |
| **FP CA Chromium Percent DV** | FP_CA_CR_DV | Concentration | % | |
| **FP CA Chromium Rounded** | FP_CA_CR_RD | Mass | µg | |
| **FP CA Copper Final Value** | FP_CA_CU_FN | Mass | mg | |
| **FP CA Copper Override** | FP_CA_CU_OR | Mass | mg | mg |
| **FP CA Copper Per Serving** | FP_CA_CU_PS | Mass | mg | |
| **FP CA Copper Percent DV** | FP_CA_CU_DV | Concentration | % | |
| **FP CA Copper Rounded** | FP_CA_CU_RD | Mass | mg | |
| **FP CA Fat Final Value** | FP_CA_FAT_FN | Mass | g | |
| **FP CA Fat Override** | FP_CA_FAT_OR | Mass | g | g |
| **FP CA Fat Per Serving** | FP_CA_FAT_PS | Mass | g | |
| **FP CA Fat Percent DV** | FP_CA_FAT_DV | Concentration | % | |
| **FP CA Fat Rounded** | FP_CA_FAT_RD | Mass | g | |
| **FP CA Fiber Final Value** | FP_CA_FIBTS_FN | Mass | g | |
| **FP CA Fiber Override** | FP_CA_FIBTS_OR | Mass | g | g |
| **FP CA Fiber Per Serving** | FP_CA_FIBTS_PS | Mass | g | |
| **FP CA Fiber Percent DV** | FP_CA_FIBTS_DV | Concentration | % | |
| **FP CA Fiber Rounded** | FP_CA_FIBTS_RD | Mass | g | |
| **FP CA Folate Final Value** | FP_CA_FOL_FN | Mass | µg | |
| **FP CA Folate Override** | FP_CA_FOL_OR | Mass | µg | µg |
| **FP CA Folate Per Serving** | FP_CA_FOL_PS | Mass | µg | |
| **FP CA Folate Percent DV** | FP_CA_FOL_DV | Concentration | % | |
| **FP CA Folate Rounded** | FP_CA_FOL_RD | Mass | µg | |
| **FP CA Insoluble Fiber Final Value** | FP_CA_FIBINS_FN | Mass | g | |
| **FP CA Insoluble Fiber Override** | FP_CA_FIBINS_OR | Mass | g | g |
| **FP CA Insoluble Fiber Per Serving** | FP_CA_FIBINS_PS | Mass | g | |
| **FP CA Insoluble Fiber Rounded** | FP_CA_FIBINS_RD | Mass | g | |
| **FP CA Iodine Final Value** | FP_CA_ID_FN | Mass | µg | |
| **FP CA Iodine Override** | FP_CA_ID_OR | Mass | µg | µg |
| **FP CA Iodine Per Serving** | FP_CA_ID_PS | Mass | µg | |
| **FP CA Iodine Percent DV** | FP_CA_ID_DV | Concentration | % | |
| **FP CA Iodine Rounded** | FP_CA_ID_RD | Mass | µg | |
| **FP CA Iron Final Value** | FP_CA_FE_FN | Mass | mg | |
| **FP CA Iron Override** | FP_CA_FE_OR | Mass | mg | mg |
| **FP CA Iron Per Serving** | FP_CA_FE_PS | Mass | mg | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP CA Iron Percent DV** | FP_CA_FE_DV | Concentration | % | |
| **FP CA Iron Rounded** | FP_CA_FE_RD | Mass | mg | |
| **FP CA Magnesium Final Value** | FP_CA_MG_FN | Mass | mg | |
| **FP CA Magnesium Override** | FP_CA_MG_OR | Mass | mg | mg |
| **FP CA Magnesium Per Serving** | FP_CA_MG_PS | Mass | mg | |
| **FP CA Magnesium Percent DV** | FP_CA_MG_DV | Concentration | % | |
| **FP CA Magnesium Rounded** | FP_CA_MG_RD | Mass | mg | |
| **FP CA Manganese Final Value** | FP_CA_MN_FN | Mass | mg | |
| **FP CA Manganese Override** | FP_CA_MN_OR | Mass | mg | mg |
| **FP CA Manganese Per Serving** | FP_CA_MN_PS | Mass | mg | |
| **FP CA Manganese Percent DV** | FP_CA_MN_DV | Concentration | % | |
| **FP CA Manganese Rounded** | FP_CA_MN_RD | Mass | mg | |
| **FP CA Molybdenum Final Value** | FP_CA_MO_FN | Mass | µg | |
| **FP CA Molybdenum Override** | FP_CA_MO_OR | Mass | µg | µg |
| **FP CA Molybdenum Per Serving** | FP_CA_MO_PS | Mass | µg | |
| **FP CA Molybdenum Percent DV** | FP_CA_MO_DV | Concentration | % | |
| **FP CA Molybdenum Rounded** | FP_CA_MO_RD | Mass | µg | |
| **FP CA Monounsaturated Fat Final Value** | FP_CA_FAMU_FN | Mass | g | |
| **FP CA Monounsaturated Fat Override** | FP_CA_FAMU_OR | Mass | g | g |
| **FP CA Monounsaturated Fat Per Serving** | FP_CA_FAMU_PS | Mass | g | |
| **FP CA Monounsaturated Fat Rounded** | FP_CA_FAMU_RD | Mass | g | |
| **FP CA Niacin RE Final Value** | FP_CA_NIA-RE_FN | Retinol Equivalent | RE | |
| **FP CA Niacin RE Override** | FP_CA_NIA-RE_OR | Retinol Equivalent | RE | RE |
| **FP CA Niacin RE Per Serving** | FP_CA_NIA-RE_PS | Retinol Equivalent | RE | |
| **FP CA Niacin RE Percent DV** | FP_CA_NIA-RE_DV | Concentration | % | |
| **FP CA Niacin RE Rounded** | FP_CA_NIA-RE_RD | Retinol Equivalent | RE | |
| **FP CA Pantothenic acid Final Value** | FP_CA_PANTAC_FN | Mass | mg | |
| **FP CA Pantothenic acid Override** | FP_CA_PANTAC_OR | Mass | mg | mg |
| **FP CA Pantothenic acid Per Serving** | FP_CA_PANTAC_PS | Mass | mg | |
| **FP CA Pantothenic acid Percent DV** | FP_CA_PANTAC_DV | Concentration | % | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP CA Pantothenic acid Rounded** | FP_CA_PANTAC_RD | Mass | mg | |
| **FP CA Phosphorus Final Value** | FP_CA_P_FN | Mass | mg | |
| **FP CA Phosphorus Override** | FP_CA_P_OR | Mass | mg | mg |
| **FP CA Phosphorus Per Serving** | FP_CA_P_PS | Mass | mg | |
| **FP CA Phosphorus Percent DV** | FP_CA_P_DV | Concentration | % | |
| **FP CA Phosphorus Rounded** | FP_CA_P_RD | Mass | mg | |
| **FP CA Polyunsaturated Fat Final Value** | FP_CA_FAPU_FN | Mass | g | |
| **FP CA Polyunsaturated Fat Override** | FP_CA_FAPU_OR | Mass | g | g |
| **FP CA Polyunsaturated Fat Per Serving** | FP_CA_FAPU_PS | Mass | g | |
| **FP CA Polyunsaturated Fat Rounded** | FP_CA_FAPU_RD | Mass | g | |
| **FP CA Potassium Final Value** | FP_CA_K_FN | Mass | mg | |
| **FP CA Potassium Override** | FP_CA_K_OR | Mass | mg | mg |
| **FP CA Potassium Per Serving** | FP_CA_K_PS | Mass | mg | |
| **FP CA Potassium Percent DV** | FP_CA_K_DV | Concentration | % | |
| **FP CA Potassium Rounded** | FP_CA_K_RD | Mass | mg | |
| **FP CA Protein Final Value** | FP_CA_PROCNT_FN | Mass | g | |
| **FP CA Protein Override** | FP_CA_PROCNT_OR | Mass | g | g |
| **FP CA Protein Per Serving** | FP_CA_PROCNT_PS | Mass | g | |
| **FP CA Protein Rounded** | FP_CA_PROCNT_RD | Mass | g | |
| **FP CA Riboflavin Final Value** | FP_CA_RIBF_FN | Mass | mg | |
| **FP CA Riboflavin Override** | FP_CA_RIBF_OR | Mass | mg | mg |
| **FP CA Riboflavin Per Serving** | FP_CA_RIBF_PS | Mass | mg | |
| **FP CA Riboflavin Percent DV** | FP_CA_RIBF_DV | Concentration | % | |
| **FP CA Riboflavin Rounded** | FP_CA_RIBF_RD | Mass | mg | |
| **FP CA Saturated and Trans Fat Percent DV** | FP_CA_FASATNFATRN_DV | Concentration | % | |
| **FP CA Saturated Fat Final Value** | FP_CA_FASAT_FN | Mass | g | |
| **FP CA Saturated Fat Override** | FP_CA_FASAT_OR | Mass | g | g |
| **FP CA Saturated Fat Per Serving** | FP_CA_FASAT_PS | Mass | g | |
| **FP CA Saturated Fat Rounded** | FP_CA_FASAT_RD | Mass | g | |
| **FP CA Selenium Final Value** | FP_CA_SE_FN | Mass | µg | |
| **FP CA Selenium Override** | FP_CA_SE_OR | Mass | µg | µg |
| **FP CA Selenium Per Serving** | FP_CA_SE_PS | Mass | µg | |
| **FP CA Selenium Percent DV** | FP_CA_SE_DV | Concentration | % | |
| **FP CA Selenium Rounded** | FP_CA_SE_RD | Mass | µg | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP CA Sodium Final Value** | FP_CA_NA_FN | Mass | mg | |
| **FP CA Sodium Override** | FP_CA_NA_OR | Mass | mg | mg |
| **FP CA Sodium Per Serving** | FP_CA_NA_PS | Mass | mg | |
| **FP CA Sodium Percent DV** | FP_CA_NA_DV | Concentration | % | |
| **FP CA Sodium Rounded** | FP_CA_NA_RD | Mass | mg | |
| **FP CA Soluble Fiber Final Value** | FP_CA_FIBSOL_FN | Mass | g | |
| **FP CA Soluble Fiber Override** | FP_CA_FIBSOL_OR | Mass | g | g |
| **FP CA Soluble Fiber Per Serving** | FP_CA_FIBSOL_PS | Mass | g | |
| **FP CA Soluble Fiber Rounded** | FP_CA_FIBSOL_RD | Mass | g | |
| **FP CA Sugar Alcohol Final Value** | FP_CA_SUGALC_FN | Mass | g | |
| **FP CA Sugar Alcohol Override** | FP_CA_SUGALC_OR | Mass | g | g |
| **FP CA Sugar Alcohol Per Serving** | FP_CA_SUGALC_PS | Mass | g | |
| **FP CA Sugar Alcohol Rounded** | FP_CA_SUGALC_RD | Mass | g | |
| **FP CA Sugar Final Value** | FP_CA_SUGAR_FN | Mass | g | |
| **FP CA Sugar Override** | FP_CA_SUGAR_OR | Mass | g | g |
| **FP CA Sugar Per Serving** | FP_CA_SUGAR_PS | Mass | g | |
| **FP CA Sugar Rounded** | FP_CA_SUGAR_RD | Mass | g | |
| **FP CA Thiamin Final Value** | FP_CA_THIA_FN | Mass | mg | |
| **FP CA Thiamin Override** | FP_CA_THIA_OR | Mass | mg | mg |
| **FP CA Thiamin Per Serving** | FP_CA_THIA_PS | Mass | mg | |
| **FP CA Thiamin Percent DV** | FP_CA_THIA_DV | Concentration | % | |
| **FP CA Thiamin Rounded** | FP_CA_THIA_RD | Mass | mg | |
| **FP CA Trans Fat Final Value** | FP_CA_FATRN_FN | Mass | g | |
| **FP CA Trans Fat Override** | FP_CA_FATRN_OR | Mass | g | g |
| **FP CA Trans Fat Per Serving** | FP_CA_FATRN_PS | Mass | g | |
| **FP CA Trans Fat Rounded** | FP_CA_FATRN_RD | Mass | g | |
| **FP CA Vitamin A Rounded** | FP_CA_VITA-_RD | Mass | µg | |
| **FP CA Vitamin A Total Final Value** | FP_CA_VITA-_FN | Mass | µg | |
| **FP CA Vitamin A Total Override** | FP_CA_VITA-_OR | Mass | µg | µg |
| **FP CA Vitamin A Total Per Serving** | FP_CA_VITA-_PS | Mass | µg | |
| **FP CA Vitamin A Total Percent DV** | FP_CA_VITA-_DV | Concentration | % | |
| **FP CA Vitamin B12 Final Value** | FP_CA_VITB12_FN | Mass | µg | |
| **FP CA Vitamin B12 Override** | FP_CA_VITB12_OR | Mass | µg | µg |
| **FP CA Vitamin B12 Per Serving** | FP_CA_VITB12_PS | Mass | µg | |
| **FP CA Vitamin B12 Percent DV** | FP_CA_VITB12_DV | Concentration | % | |
| **FP CA Vitamin B12 Rounded** | FP_CA_VITB12_RD | Mass | µg | |
| **FP CA Vitamin B6 Final Value** | FP_CA_VITB6_FN | Mass | mg | |
| **FP CA Vitamin B6 Override** | FP_CA_VITB6_OR | Mass | mg | mg |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP CA Vitamin B6 Per Serving** | FP_CA_VITB6_PS | Mass | mg | |
| **FP CA Vitamin B6 Percent DV** | FP_CA_VITB6_DV | Concentration | % | |
| **FP CA Vitamin B6 Rounded** | FP_CA_VITB6_RD | Mass | mg | |
| **FP CA Vitamin C Final Value** | FP_CA_VITC_FN | Mass | mg | |
| **FP CA Vitamin C Override** | FP_CA_VITC_OR | Mass | mg | mg |
| **FP CA Vitamin C Per Serving** | FP_CA_VITC_PS | Mass | mg | |
| **FP CA Vitamin C Percent DV** | FP_CA_VITC_DV | Concentration | % | |
| **FP CA Vitamin C Rounded** | FP_CA_VITC_RD | Mass | mg | |
| **FP CA Vitamin D Final Value** | FP_CA_VITD-_FN | International Units | IU | |
| **FP CA Vitamin D Override** | FP_CA_VITD-_OR | International Units | IU | IU |
| **FP CA Vitamin D Per Serving** | FP_CA_VITD-_PS | International Units | IU | |
| **FP CA Vitamin D Percent DV** | FP_CA_VITD-_DV | Concentration | % | |
| **FP CA Vitamin D Rounded** | FP_CA_VITD-_RD | International Units | IU | |
| **FP CA Vitamin E Final Value** | FP_CA_VITE_FN | International Units | IU | |
| **FP CA Vitamin E Override** | FP_CA_VITE_OR | International Units | IU | IU |
| **FP CA Vitamin E Per Serving** | FP_CA_VITE_PS | International Units | IU | |
| **FP CA Vitamin E Percent DV** | FP_CA_VITE_DV | Concentration | % | |
| **FP CA Vitamin E Rounded** | FP_CA_VITE_RD | International Units | IU | |
| **FP CA Vitamin K Final Value** | FP_CA_VITK_FN | Mass | µg | |
| **FP CA Vitamin K Override** | FP_CA_VITK_OR | Mass | µg | µg |
| **FP CA Vitamin K Per Serving** | FP_CA_VITK_PS | Mass | µg | |
| **FP CA Vitamin K Percent DV** | FP_CA_VITK_DV | Concentration | % | |
| **FP CA Vitamin K Rounded** | FP_CA_VITK_RD | Mass | µg | |
| **FP CA Zinc Final Value** | FP_CA_ZN_FN | Mass | mg | |
| **FP CA Zinc Override** | FP_CA_ZN_OR | Mass | mg | mg |
| **FP CA Zinc Per Serving** | FP_CA_ZN_PS | Mass | mg | |
| **FP CA Zinc Percent DV** | FP_CA_ZN_DV | Concentration | % | |
| **FP CA Zinc Rounded** | FP_CA_ZN_RD | Mass | mg | |
| **FP UK Biotin Percent RI** | FP_UK_BIOT_RI | Concentration | % | |
| **FP UK Biotin Per 100G** | FP_UK_BIOT_100G | Mass | µg | |
| **FP UK Calcium Percent RI** | FP_UK_CA_RI | Concentration | % | |
| **FP UK Calcium 100G** | FP_UK_CA_100G | Mass | µg | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP UK Carbohydrates Percent RI** | FP_UK_CHOCDF_RI | Concentration | % | |
| **FP UK Carbohydrates 100G** | FP_UK_ CHOCDF_100G | Mass | µg | |
| **FP UK Cholesterol Percent RI** | FP_UK_CHOLE_RI | Concentration | % | |
| **FP UK Cholesterol 100G** | FP_UK_CHOLE_100G | Mass | µg | |
| **FP UK Chloride Percent RI** | FP_UK_CLD_RI | Concentration | % | |
| **FP UK Chloride 100G** | FP_UK_CLD_100G | Mass | µg | |
| **FP UK Chromium Percent RI** | FP_UK_CR_RI | Concentration | % | |
| **FP UK Chromium 100G** | FP_UK_CR_100G | Mass | µg | |
| **FP UK Copper Percent RI** | FP_UK_CU_RI | Concentration | % | |
| **FP UK Copper 100G** | FP_UK_CU_100G | Mass | µg | |
| **FP UK Calories Percent RI** | FP_UK_ ENERC_KCAL_RI | Concentration | % | |
| **FP UK Calories 100G** | FP_UK_ENERC_KCAL_100G | Mass | µg | |
| **FP UK Calories From Fat Percent RI** | FP_UK_ ENERCXFAT_RI | Concentration | % | |
| **FP UK Calories From Fat 100G** | FP_UK_ ENERCXFAT_100G | Mass | µg | |
| **FP UK Monounsaturated Fat Percent RI** | FP_UK_FAMU_RI | Concentration | % | |
| **FP UK Monounsaturated Fat 100G** | FP_UK_FAMU_100G | Mass | µg | |
| **FP UK Polyunsaturated Fat Percent RI** | FP_UK_ FAPU_RI | Concentration | % | |
| **FP UK Polyunsaturated Fat 100G** | FP_UK_ FAPU_100G | Mass | µg | |
| **FP UK Saturated Fat Percent RI** | FP_UK_ FASAT_RI | Concentration | % | |
| **FP UK Saturated Fat 100G** | FP_UK_ FASAT_100G | Mass | µg | |
| **FP UK Saturated and Trans Fat Percent RI** | FP_UK_ FASATNFATRN_RI | Concentration | % | |
| **FP UK Saturated and Trans Fat 100G** | FP_UK_ FASATNFATRN_100G | Mass | µg | |
| **FP UK Total Fat Percent RI** | FP_UK_ FAT_RI | Concentration | % | |
| **FP UK Total Fat 100G** | FP_UK_FAT_100G | Mass | µg | |
| **FP UK Trans Fatty Acid Percent RI** | FP_UK_FATRN_RI | Concentration | % | |
| **FP UK Trans Fatty Acid 100G** | FP_UK_FATRN_100G | Mass | µg | |
| **FP UK Iron Percent RI** | FP_UK_FE_RI | Concentration | % | |
| **FP UK Iron 100G** | FP_UK_FE_100G | Mass | µg | |
| **FP UK Insoluble Fiber Percent RI** | FP_UK_FIBINS_RI | Concentration | % | |
| **FP UK Insoluble Fiber 100G** | FP_UK_FIBINS_100G | Mass | µg | |
| **FP UK Soluble Fiber Percent RI** | FP_UK_FIBSOL_RI | Concentration | % | |
| **FP UK Soluble Fiber 100G** | FP_UK_FIBSOL_100G | Mass | µg | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP UK Dietary Fiber Percent RI** | FP_UK_FIBTS_RI | Concentration | % | |
| **FP UK Dietary Fiber 100G** | FP_UK_FIBTS_100G | Mass | µg | |
| **FP UK Folate Percent RI** | FP_UK_FOL_RI | Concentration | % | |
| **FP UK Folate 100G** | FP_UK_FOL_100G | Mass | µg | |
| **FP UK Iodine Percent RI** | FP_UK_ID_RI | Concentration | % | |
| **FP UK Iodine 100G** | FP_UK_ID_100G | Mass | µg | |
| **FP UK Potassium Percent RI** | FP_UK_ K_RI | Concentration | % | |
| **FP UK Potassium 100G** | FP_UK_ K_100G | Mass | µg | |
| **FP UK Magnesium Percent RI** | FP_UK_MG_RI | Concentration | % | |
| **FP UK Magnesium 100G** | FP_UK_MG_100G | Mass | µg | |
| **FP UK Manganese Percent RI** | FP_UK_MN_RI | Concentration | % | |
| **FP UK Manganese 100G** | FP_UK_MN_100G | Mass | µg | |
| **FP UK Molybdenum Percent RI** | FP_UK_MO_RI | Concentration | % | |
| **FP UK Molybdenum 100G** | FP_UK_MO_100G | Mass | µg | |
| **FP UK Sodium Percent RI** | FP_UK_NA_RI | Concentration | % | |
| **FP UK Sodium 100G** | FP_UK_NA_100G | Mass | µg | |
| **FP UK Niacin Percent RI** | FP_UK_NIA_RI | Concentration | % | |
| **FP UK Niacin 100G** | FP_UK_NIA_100G | Mass | µg | |
| **FP UK Niacin RE Percent RI** | FP_UK_NIA-RE_RI | Concentration | % | |
| **FP UK Niacin RE 100G** | FP_UK_NIA-RE_100G | Mass | µg | |
| **FP UK Other Carbohydrate Percent RI** | FP_UK_ OTHCHOCDF_RI | Concentration | % | |
| **FP UK Other Carbohydrate 100G** | FP_UK_ OTHCHOCDF_100G | Mass | µg | |
| **FP UK Phosphorus Percent RI** | FP_UK_P_RI | Concentration | % | |
| **FP UK Phosphorus 100G** | FP_UK_P_100G | Mass | µg | |
| **FP UK Pantothenic acid Percent RI** | FP_UK_PANTAC_RI | Concentration | % | |
| **FP UK Pantothenic acid 100G** | FP_UK_PANTAC_100G | Mass | µg | |
| **FP UK Protein Percent RI** | FP_UK_PROCNT_RI | Concentration | % | |
| **FP UK Protein 100G** | FP_UK_PROCNT_100G | Mass | µg | |
| **FP UK Riboflavin Percent RI** | FP_UK_RIBF_RI | Concentration | % | |
| **FP UK Riboflavin 100G** | FP_UK_RIBF_100G | Mass | µg | |
| **FP UK Selenium Percent RI** | FP_UK_SE_RI | Concentration | % | |
| **FP UK Selenium 100G** | FP_UK_SE_100G | Mass | µg | |
| **FP UK Sugar Alcohol Percent RI** | FP_UK_SUGALC_RI | Concentration | % | |
| **FP UK Sugar Alcohol 100G** | FP_UK_SUGALC_100G | Mass | µg | |
| **FP UK Total Sugar Percent RI** | FP_UK_SUGAR_RI | Concentration | % | |
| **FP UK Total Sugar 100G** | FP_UK_SUGAR_100G | Mass | µg | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP UK Added Sugars Percent RI** | FP_UK_SUGARAD_RI | Concentration | % | |
| **FP UK Added Sugars 100G** | FP_UK_SUGARAD_100G | Mass | µg | |
| **FP UK Thiamin Percent RI** | FP_UK_THIA_RI | Concentration | % | |
| **FP UK Thiamin 100G** | FP_UK_THIA_100G | Mass | µg | |
| **FP UK Vitamin A – Total Percent RI** | FP_UK_VITA-_RI | Concentration | % | |
| **FP UK Vitamin A – Total 100G** | FP_UK_VITA-_100G | Mass | µg | |
| **FP UK Vitamin A – IU Percent RI** | FP_UK_VITA_IU_RI | Concentration | % | |
| **FP UK Vitamin A – IU 100G** | FP_UK_VITA_IU_100G | Mass | µg | |
| **FP UK Vitamin B12 Percent RI** | FP_UK_VITB12_RI | Concentration | % | |
| **FP UK Vitamin B12 100G** | FP_UK_VITB12_100G | Mass | µg | |
| **FP UK Vitamin B6 Percent RI** | FP_UK_VITB6_RI | Concentration | % | |
| **FP UK Vitamin B6 100G** | FP_UK_VITB6_100G | Mass | µg | |
| **FP UK Vitamin C Percent RI** | FP_UK_VITC_RI | Concentration | % | |
| **FP UK Vitamin C 100G** | FP_UK_VITC_100G | Mass | µg | |
| **FP UK Vitamin D Percent RI** | FP_UK_VITD-_RI | Concentration | % | |
| **FP UK Vitamin D 100G** | FP_UK_VITD-_100G | Mass | µg | |
| **FP UK Vitamin E Percent RI** | FP_UK_VITE_RI | Concentration | % | |
| **FP UK Vitamin E 100G** | FP_UK_VITE_100G | Mass | µg | |
| **FP UK Vitamin K Percent RI** | FP_UK_VITK_RI | Concentration | % | |
| **FP UK Vitamin K 100G** | FP_UK_VITK_100G | Mass | µg | |
| **FP UK Zinc Percent RI** | FP_UK_ZN_RI | Concentration | % | |
| **FP UK Zinc 100G** | FP_UK_ZN_100G | Mass | µg | |
| **FP US Added Sugar Final Value** | FP_US_SUGARAD_FN | Mass | g | |
| **FP US Added Sugars Override** | FP_US_SUGARAD_OR | Mass | g | g |
| **FP US Added Sugars Per Serving** | FP_US_SUGARAD_PS | Mass | g | |
| **FP US Added Sugars Rounded** | FP_US_SUGARAD_RD | Mass | g | |
| **FP US Biotin Final Value** | FP_US_BIOT_FN | Mass | µg | |
| **FP US Biotin Override** | FP_US_BIOT_OR | Mass | µg | µg |
| **FP US Biotin Per Serving** | FP_US_BIOT_PS | Mass | µg | |
| **FP US Biotin Percent DV** | FP_US_BIOT_DV | Concentration | % | |
| **FP US Biotin Rounded** | FP_US_BIOT_RD | Mass | µg | |
| **FP US Calcium Final Value** | FP_US_CA_FN | Mass | mg | |
| **FP US Calcium Override** | FP_US_CA_OR | Mass | mg | mg |
| **FP US Calcium Per Serving** | FP_US_CA_PS | Mass | mg | |
| **FP US Calcium Percent DV** | FP_US_CA_DV | Concentration | % | |
| **FP US Calcium Rounded** | FP_US_CA_RD | Mass | mg | |
| **FP US Calories Final Value** | FP_US_ENERC_KCAL_F | Energy | kcal | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| | N | | | |
| **FP US Calories From Fat Final Value** | FP_US_ENERCXFAT_FN | Energy | kcal | |
| **FP US Calories From Fat Override** | FP_US_ENERCXFAT_OR | Energy | kcal | kcal |
| **FP US Calories From Fat Per Serving** | FP_US_ENERCXFAT_PS | Energy | kcal | |
| **FP US Calories From Fat Rounded** | FP_US_ENERCXFAT_RD | Energy | kcal | |
| **FP US Calories Override** | FP_US_ENERC_KCAL_OR | Energy | kcal | kcal |
| **FP US Calories Per Serving** | FP_US_ENERC_KCAL_PS | Energy | kcal | |
| **FP US Calories Rounded** | FP_US_ENERC_KCAL_RD | Energy | kcal | |
| **FP US Carb Final Value** | FP_US_CHOCDF_FN | Mass | g | |
| **FP US Carb Override** | FP_US_CHOCDF_OR | Mass | g | g |
| **FP US Carb Per Serving** | FP_US_CHOCDF_PS | Mass | g | |
| **FP US Carb Percent DV** | FP_US_CHOCDF_DV | Concentration | % | |
| **FP US Carb Rounded** | FP_US_CHOCDF_RD | Mass | g | |
| **FP US Chloride Final Value** | FP_US_CLD_FN | Mass | mg | |
| **FP US Chloride Override** | FP_US_CLD_OR | Mass | mg | mg |
| **FP US Chloride Per Serving** | FP_US_CLD_PS | Mass | mg | |
| **FP US Chloride Percent DV** | FP_US_CLD_DV | Concentration | % | |
| **FP US Chloride Rounded** | FP_US_CLD_RD | Mass | mg | |
| **FP US Cholesterol Final Value** | FP_US_CHOLE_FN | Mass | mg | |
| **FP US Cholesterol Override** | FP_US_CHOLE_OR | Mass | mg | mg |
| **FP US Cholesterol Per Serving** | FP_US_CHOLE_PS | Mass | mg | |
| **FP US Cholesterol Percent DV** | FP_US_CHOLE_DV | Concentration | % | |
| **FP US Cholesterol Rounded** | FP_US_CHOLE_RD | Mass | mg | |
| **FP US Chromium Final Value** | FP_US_CR_FN | Mass | µg | |
| **FP US Chromium Override** | FP_US_CR_OR | Mass | µg | µg |
| **FP US Chromium Per Serving** | FP_US_CR_PS | Mass | µg | |
| **FP US Chromium Percent DV** | FP_US_CR_DV | Concentration | % | |
| **FP US Chromium Rounded** | FP_US_CR_RD | Mass | µg | |
| **FP US Copper Final Value** | FP_US_CU_FN | Mass | mg | |
| **FP US Copper Override** | FP_US_CU_OR | Mass | mg | mg |
| **FP US Copper Per Serving** | FP_US_CU_PS | Mass | mg | |
| **FP US Copper Percent DV** | FP_US_CU_DV | Concentration | % | |
| **FP US Copper Rounded** | FP_US_CU_RD | Mass | mg | |
| **FP US Fat Final Value** | FP_US_FAT_FN | Mass | g | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP US Fat Override** | FP_US_FAT_OR | Mass | g | g |
| **FP US Fat Per Serving** | FP_US_FAT_PS | Mass | g | |
| **FP US Fat Percent DV** | FP_US_FAT_DV | Concentration | % | |
| **FP US Fat Rounded** | FP_US_FAT_RD | Mass | g | |
| **FP US Fiber Final Value** | FP_US_FIBTS_FN | Mass | g | |
| **FP US Fiber Override** | FP_US_FIBTS_OR | Mass | g | g |
| **FP US Fiber Per Serving** | FP_US_FIBTS_PS | Mass | g | |
| **FP US Fiber Percent DV** | FP_US_FIBTS_DV | Concentration | % | |
| **FP US Fiber Rounded** | FP_US_FIBTS_RD | Mass | g | |
| **FP US Folate Final Value** | FP_US_FOL_FN | Mass | µg | |
| **FP US Folate Override** | FP_US_FOL_OR | Mass | µg | µg |
| **FP US Folate Per Serving** | FP_US_FOL_PS | Mass | µg | |
| **FP US Folate Percent DV** | FP_US_VITB6_DV | Concentration | % | |
| **FP US Folate Rounded** | FP_US_FOL_RD | Mass | µg | |
| **FP US Insoluble Fiber Final Value** | FP_US_FIBINS_FN | Mass | g | |
| **FP US Insoluble Fiber Override** | FP_US_FIBINS_OR | Mass | g | g |
| **FP US Insoluble Fiber Per Serving** | FP_US_FIBINS_PS | Mass | g | |
| **FP US Insoluble Fiber Rounded** | FP_US_FIBINS_RD | Mass | g | |
| **FP US Iodine Final Value** | FP_US_ID_FN | Mass | µg | |
| **FP US Iodine Override** | FP_US_ID_OR | Mass | µg | µg |
| **FP US Iodine Per Serving** | FP_US_ID_PS | Mass | µg | |
| **FP US Iodine Percent DV** | FP_US_ID_DV | Concentration | % | |
| **FP US Iodine Rounded** | FP_US_ID_RD | Mass | µg | |
| **FP US Iron Final Value** | FP_US_FE_FN | Mass | mg | |
| **FP US Iron Override** | FP_US_FE_OR | Mass | mg | mg |
| **FP US Iron Per Serving** | FP_US_FE_PS | Mass | mg | |
| **FP US Iron Percent DV** | FP_US_FE_DV | Concentration | % | |
| **FP US Iron Rounded** | FP_US_FE_RD | Mass | mg | |
| **FP US Magnesium Final Value** | FP_US_MG_FN | Mass | mg | |
| **FP US Magnesium Override** | FP_US_MG_OR | Mass | mg | mg |
| **FP US Magnesium Per Serving** | FP_US_MG_PS | Mass | mg | |
| **FP US Magnesium Percent DV** | FP_US_MG_DV | Concentration | % | |
| **FP US Magnesium Rounded** | FP_US_MG_RD | Mass | mg | |
| **FP US Manganese Final Value** | FP_US_MN_FN | Mass | mg | |
| **FP US Manganese Override** | FP_US_MN_OR | Mass | mg | mg |
| **FP US Manganese Per Serving** | FP_US_MN_PS | Mass | mg | |
| **FP US Manganese Percent DV** | FP_US_MN_DV | Concentration | % | |
| **FP US Manganese Rounded** | FP_US_MN_RD | Mass | mg | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP US Molybdenum Final Value** | FP_US_MO_FN | Mass | µg | |
| **FP US Molybdenum Override** | FP_US_MO_OR | Mass | µg | µg |
| **FP US Molybdenum Per Serving** | FP_US_MO_PS | Mass | µg | |
| **FP US Molybdenum Percent DV** | FP_US_MO_DV | Concentration | % | |
| **FP US Molybdenum Rounded** | FP_US_MO_RD | Mass | µg | |
| **FP US Monounsaturated Fat Final Value** | FP_US_FAMU_FN | Mass | g | |
| **FP US Monounsaturated Fat Override** | FP_US_FAMU_OR | Mass | g | g |
| **FP US Monounsaturated Fat Per Serving** | FP_US_FAMU_PS | Mass | g | |
| **FP US Monounsaturated Fat Rounded** | FP_US_FAMU_RD | Mass | g | |
| **FP US Niacin Final Value** | FP_US_NIA_FN | Mass | mg | |
| **FP US Niacin Override** | FP_US_NIA_OR | Mass | mg | mg |
| **FP US Niacin Per Serving** | FP_US_NIA_PS | Mass | mg | |
| **FP US Niacin Percent DV** | FP_US_NIA_DV | Concentration | % | |
| **FP US Niacin Rounded** | FP_US_NIA_RD | Mass | mg | |
| **FP US Other Carbohydrate Final Value** | FP_US_OTHCHOCDF_FN | Mass | g | |
| **FP US Other Carbohydrate Override** | FP_US_OTHCHOCDF_OR | Mass | g | g |
| **FP US Other Carbohydrate Per Serving** | FP_US_OTHCHOCDF_PS | Mass | g | |
| **FP US Other Carbohydrate Rounded** | FP_US_OTHCHOCDF_RD | Mass | g | |
| **FP US Pantothenic acid Final Value** | FP_US_PANTAC_FN | Mass | mg | |
| **FP US Pantothenic acid Override** | FP_US_PANTAC_OR | Mass | mg | mg |
| **FP US Pantothenic acid Per Serving** | FP_US_PANTAC_PS | Mass | mg | |
| **FP US Pantothenic acid Percent DV** | FP_US_PANTAC_DV | Concentration | % | |
| **FP US Pantothenic acid Rounded** | FP_US_PANTAC_RD | Mass | mg | |
| **FP US Phosphorus Final Value** | FP_US_P_FN | Mass | mg | |
| **FP US Phosphorus Override** | FP_US_P_OR | Mass | mg | mg |
| **FP US Phosphorus Per Serving** | FP_US_P_PS | Mass | mg | |
| **FP US Phosphorus Percent DV** | FP_US_P_DV | Concentration | % | |
| **FP US Phosphorus Rounded** | FP_US_P_RD | Mass | mg | |
| **FP US Polyunsaturated Fat Final Value** | FP_US_FAPU_FN | Mass | g | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP US Polyunsaturated Fat Override** | FP_US_FAPU_OR | Mass | g | g |
| **FP US Polyunsaturated Fat Per Serving** | FP_US_FAPU_PS | Mass | g | |
| **FP US Polyunsaturated Fat Rounded** | FP_US_FAPU_RD | Mass | g | |
| **FP US Potassium Final Value** | FP_US_K_FN | Mass | mg | |
| **FP US Potassium Override** | FP_US_K_OR | Mass | mg | mg |
| **FP US Potassium Per Serving** | FP_US_K_PS | Mass | mg | |
| **FP US Potassium Percent DV** | FP_US_K_DV | Concentration | % | |
| **FP US Potassium Rounded** | FP_US_K_RD | Mass | mg | |
| **FP US Protein Final Value** | FP_US_PROCNT_FN | Mass | g | |
| **FP US Protein Override** | FP_US_PROCNT_OR | Mass | g | g |
| **FP US Protein Per Serving** | FP_US_PROCNT_PS | Mass | g | |
| **FP US Protein Rounded** | FP_US_PROCNT_RD | Mass | g | |
| **FP US Riboflavin Final Value** | FP_US_RIBF_FN | Mass | mg | |
| **FP US Riboflavin Override** | FP_US_RIBF_OR | Mass | mg | mg |
| **FP US Riboflavin Per Serving** | FP_US_RIBF_PS | Mass | mg | |
| **FP US Riboflavin Percent DV** | FP_US_RIBF_DV | Concentration | % | |
| **FP US Riboflavin Rounded** | FP_US_RIBF_RD | Mass | mg | |
| **FP US Saturated Fat Final Value** | FP_US_FASAT_FN | Mass | g | |
| **FP US Saturated Fat Override** | FP_US_FASAT_OR | Mass | g | g |
| **FP US Saturated Fat Per Serving** | FP_US_FASAT_PS | Mass | g | |
| **FP US Saturated Fat Percent DV** | FP_US_FASAT_DV | Concentration | % | |
| **FP US Saturated Fat Rounded** | FP_US_FASAT_RD | Mass | g | |
| **FP US Selenium Final Value** | FP_US_SE_FN | Mass | µg | |
| **FP US Selenium Override** | FP_US_SE_OR | Mass | µg | µg |
| **FP US Selenium Per Serving** | FP_US_SE_PS | Mass | µg | |
| **FP US Selenium Percent DV** | FP_US_SE_DV | Concentration | % | |
| **FP US Selenium Rounded** | FP_US_SE_RD | Mass | µg | |
| **FP US Sodium Final Value** | FP_US_NA_FN | Mass | mg | |
| **FP US Sodium Override** | FP_US_NA_OR | Mass | mg | mg |
| **FP US Sodium Per Serving** | FP_US_NA_PS | Mass | mg | |
| **FP US Sodium Percent DV** | FP_US_NA_DV | Concentration | % | |
| **FP US Sodium Rounded** | FP_US_NA_RD | Mass | mg | |
| **FP US Soluble Fiber Final Value** | FP_US_FIBSOL_FN | Mass | g | |
| **FP US Soluble Fiber Override** | FP_US_FIBSOL_OR | Mass | g | g |
| **FP US Soluble Fiber Per Serving** | FP_US_FIBSOL_PS | Mass | g | |
| **FP US Soluble Fiber Rounded** | FP_US_FIBSOL_RD | Mass | g | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP US Sugar Alcohol Final Value** | FP_US_SUGALC_FN | Mass | g | |
| **FP US Sugar Alcohol Override** | FP_US_SUGALC_OR | Mass | g | g |
| **FP US Sugar Alcohol Per Serving** | FP_US_SUGALC_PS | Mass | g | |
| **FP US Sugar Alcohol Rounded** | FP_US_SUGALC_RD | Mass | g | |
| **FP US Sugar Final Value** | FP_US_SUGAR_FN | Mass | g | |
| **FP US Sugar Override** | FP_US_SUGAR_OR | Mass | g | g |
| **FP US Sugar Per Serving** | FP_US_SUGAR_PS | Mass | g | |
| **FP US Sugar Rounded** | FP_US_SUGAR_RD | Mass | g | |
| **FP US Thiamin Final Value** | FP_US_THIA_FN | Mass | mg | |
| **FP US Thiamin Override** | FP_US_THIA_OR | Mass | mg | mg |
| **FP US Thiamin Per Serving** | FP_US_THIA_PS | Mass | mg | |
| **FP US Thiamin Percent DV** | FP_US_THIA_DV | Concentration | % | |
| **FP US Thiamin Rounded** | FP_US_THIA_RD | Mass | mg | |
| **FP US Trans Fat Final Value** | FP_US_FATRN_FN | Mass | g | |
| **FP US Trans Fat Override** | FP_US_FATRN_OR | Mass | g | g |
| **FP US Trans Fat Per Serving** | FP_US_FATRN_PS | Mass | g | |
| **FP US Trans Fat Rounded** | FP_US_FATRN_RD | Mass | g | |
| **FP US Vitamin A Final Value** | FP_US_VITA_IU_FN | International Units | IU | |
| **FP US Vitamin A Override** | FP_US_VITA_IU_OR | International Units | IU | IU |
| **FP US Vitamin A Per Serving** | FP_US_VITA_IU_PS | International Units | IU | |
| **FP US Vitamin A Percent DV** | FP_US_VITA_IU_DV | Concentration | % | |
| **FP US Vitamin A Rounded** | FP_US_VITA_IU_RD | International Units | IU | |
| **FP US Vitamin A Total Final Value** | FP_US_VITA-_FN | Mass | µg | |
| **FP US Vitamin A Total Override** | FP_US_VITA-_OR | Mass | µg | µg |
| **FP US Vitamin A Total Per Serving** | FP_US_VITA-_PS | Mass | µg | |
| **FP US Vitamin A Total Percent DV** | FP_US_VITA-_DV | Concentration | % | |
| **FP US Vitamin A Total Rounded** | FP_US_VITA-_RD | Mass | µg | |
| **FP US Vitamin B12 Final Value** | FP_US_VITB12_FN | Mass | µg | |
| **FP US Vitamin B12 Override** | FP_US_VITB12_OR | Mass | µg | µg |
| **FP US Vitamin B12 Per Serving** | FP_US_VITB12_PS | Mass | µg | |
| **FP US Vitamin B12 Percent DV** | FP_US_VITB12_DV | Concentration | % | |
| **FP US Vitamin B12 Rounded** | FP_US_VITB12_RD | Mass | µg | |
| **FP US Vitamin B6 Final Value** | FP_US_VITB6_FN | Mass | mg | |
| **FP US Vitamin B6 Override** | FP_US_VITB6_OR | Mass | mg | mg |
| **FP US Vitamin B6 Per Serving** | FP_US_VITB6_PS | Mass | mg | |

| Attribute Name | Attribute ID | UOM Category | Display UOM | Default UOM |
|---|---|---|---|---|
| **FP US Vitamin B6 Percent DV** | FP_US_FOL_DV | Concentration | % | |
| **FP US Vitamin B6 Rounded** | FP_US_VITB6_RD | Mass | mg | |
| **FP US Vitamin C Final Value** | FP_US_VITC_FN | Mass | mg | |
| **FP US Vitamin C Override** | FP_US_VITC_OR | Mass | mg | mg |
| **FP US Vitamin C Per Serving** | FP_US_VITC_PS | Mass | mg | |
| **FP US Vitamin C Percent DV** | FP_US_VITC_DV | Concentration | % | |
| **FP US Vitamin C Rounded** | FP_US_VITC_RD | Mass | mg | |
| **FP US Vitamin D Final Value** | FP_US_VITD-_FN | International Units | IU | |
| **FP US Vitamin D Override** | FP_US_VITD-_OR | International Units | IU | IU |
| **FP US Vitamin D Per Serving** | FP_US_VITD-_PS | International Units | IU | |
| **FP US Vitamin D Percent DV** | FP_US_VITD-_DV | Concentration | % | |
| **FP US Vitamin D Rounded** | FP_US_VITD-_RD | International Units | IU | |
| **FP US Vitamin E Final Value** | FP_US_VITE_FN | International Units | IU | |
| **FP US Vitamin E Override** | FP_US_VITE_OR | International Units | IU | IU |
| **FP US Vitamin E Per Serving** | FP_US_VITE_PS | International Units | IU | |
| **FP US Vitamin E Percent DV** | FP_US_VITE_DV | Concentration | % | |
| **FP US Vitamin E Rounded** | FP_US_VITE_RD | International Units | IU | |
| **FP US Vitamin K Final Value** | FP_US_VITK_FN | Mass | µg | |
| **FP US Vitamin K Override** | FP_US_VITK_OR | Mass | µg | µg |
| **FP US Vitamin K Per Serving** | FP_US_VITK_PS | Mass | µg | |
| **FP US Vitamin K Percent DV** | FP_US_VITK_DV | Concentration | % | |
| **FP US Vitamin K Rounded** | FP_US_VITK_RD | Mass | µg | |
| **FP US Zinc Final Value** | FP_US_ZN_FN | Mass | mg | |
| **FP US Zinc Override** | FP_US_ZN_OR | Mass | mg | mg |
| **FP US Zinc Per Serving** | FP_US_ZN_PS | Mass | mg | |
| **FP US Zinc Percent DV** | FP_US_ZN_DV | Concentration | % | |
| **FP US Zinc Rounded** | FP_US_ZN_RD | Mass | mg | |