



## Harbor Foods Group

- Harbor Foodservice
- Harbor Wholesale Lacey
- Harbor Wholesale Roseburg

## Data Synchronization Implementation Guide

Version 1.2

December 2023

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## **OVERVIEW**

This document is intended for Suppliers who will be sending product data to Harbor Foods Group (HFG) and its subsidiaries Harbor Foodservice (HFS), Harbor Wholesale Lacey (HWG), and Harbor Wholesale Roseburg (HWR) through the GDSN (Global Data Synchronization Network) and have subscribed to a GDSN Certified Data Pool other than Syndigo.

Suppliers currently publishing item information through the GDSN for their Retail Trading Partners will need to populate additional data attributes to meet the HFG requirement.

The following options are available to these Suppliers:

**Option 1:** GDSN – Exclusively utilize GDSN to publish attributes to HFG. Core attributes are the minimum requirement in order to publish to HFG.

**Option 2:** GDSN Plus – Provide a portion of required attributes via GDSN and additional attributes to Syndigo directly to fully satisfy the HFG requirement. Core attributes are the minimum requirement in order to publish to HFG.

All communication related to the HFG implementation must be directed to Syndigo. Your Syndigo contact will review the options available to you and recommend the option which best suits your company's needs.

## **Harbor Foods Group – Contacts**

1. For Suppliers who have an existing relationship with Syndigo, please contact your assigned Syndigo Account Manager. If unsure of whom your contact is, please reach out to Syndigo at <https://www.syndigo.com/support/>.
2. For Suppliers who would like to reach out to Harbor Foodservice Directly. Please Contact Melinda Miller, [Melinda.Miller@Harborfoods.com](mailto:Melinda.Miller@Harborfoods.com)
3. For Suppliers who do not have a pre-existing relationship with Syndigo, please visit <https://www.syndigo.com/request-demo/>.

## **HFG GLN Information**

Harbor Foodservice Production GLN : 0860005771806

Harbor Wholesale Lacey Production GLN : 0868003000102

Harbor Wholesale Roseburg Production GLN : 086800300119

## **HFG Data Synchronization Environment**

Data Pool: Syndigo

System: Syndigo Portal

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## **Option 1 : Publishing to HFG via the GDSN**

### **Publications**

1. HFG requires their suppliers to publish all products that they would like to make available for sale to HFG.
  - a. Products HFG currently purchases.
  - b. Products the Supplier would like to make available to HFG for purchase in the future.
2. For the first HFG publication, Suppliers are to publish all products as “Initial Load”.

### **Implementation Overview**

The following outlines the key steps to implementation:

#### **Implementation Steps**

1. Initiate the GDSN trading partner relationship
  - a. Contact Syndigo to confirm your implementation option
  - b. Review the list of required attributes in this document
  - c. HFG will create a subscription based upon your GLN
2. Syndigo will provide a username and password to the Syndigo Portal to assist with Rationalization, Item Change and New Item Setup procedures
3. Prepare product data for Publication
4. Publish all products as “Initial Load”
  - a. Confirm with Syndigo how initial publication should be sent
5. Login to Syndigo portal for product status to complete the Rationalization process and investigate “Review” CIC responses
6. Ongoing publications to be sent with “New” or “Update” status. To Inactivate a product, send as “Delete”.

## **Catalog Item Confirmations (CIC's)**

HFG will automatically return a CIC to the Supplier. The CIC sent will be based upon the following:

### **GDSN Response Messages:**

**Accepted:** Transmission received and can be processed.

**Exception:** Transmission received but contains XML or GDSN validation error - will not be processed.

### **CIC Messages:**

**Accepted:** product has been received and has passed HFG GDSN validations. This response will typically be sent within a few hours after receiving the publication.

**Reviewed:** product does not pass HFG GDSN validations or product has been matched (Rationalized) with a HFG catalog item but has failed HFG's audit process and therefore has data discrepancies to be reviewed and addressed. Reason for Review status will be transmitted in CIC999. This response may follow an Accept message and may take several days to resolve.

**Synchronized:** product has been published to HFG's internal system and will be updated as revisions occur. This response will be sent after all validations and audits have been successfully completed.

**Rejected:** product has been de-listed by HFG. The item will revert back to Eligible with an Accepted CIC status (if passing audit) or Review CIC status (if failing audit) the following week. If required, item can be published to Syndigo as a delete following the Accepted or Review CIC status.

## **Option 2: GDSN Plus – Providing Additional Attributes to Syndigo**

Your Syndigo contact will walk you through the various implementation options available to your company with this method.

## **Product Images Guideline Updates**

HFG needs a minimum of 4 High Resolution images for each sku. 1 Primary image and 3 or more Supporting images. The Primary image is the first and most important image on each product page. This image sets the customer's expectations. Supporting images help the customer to identify the product throughout its stages.

- 1a) Styled / Plated - **Primary** (food)
- 1b) Out of the Box - **Primary** (non-food)
- 2a) Raw Form (food) - **Supporting**
- 2b) Worn (non- food) – **Supporting**
- 3a) Inner Pack - **Supporting**
- 3b) Used (non-food) - **Supporting**
- 4) Open Case, showing Inner Packs - **Supporting**
- 5) Closed Case, showing Labels and Item Codes - **Supporting**

### **For High Resolution Images**

Minimum image size per side: 200 mm (8.0 in.) (2400 pixels)

Maximum image size per side: 400 mm (16.0 in.) (4800 pixels)

File resolution: 300 dpi

Square aspect ratio is maintained (1:1) for automatic processing

Please contact Melinda Miller at Harbor Foodservice, [Melinda\\_Miller@Harborfoods.com](mailto:Melinda_Miller@Harborfoods.com), for any questions about the image guidelines that HFG requires.

## Required HFG Product Attributes

Legend		
<b>M = Mandatory</b> Minimum subset of attributes that are required for HFG to receive publication.	<b>R = Additional attributes requested by HFG Company to fulfill the complete data requirement.</b>	<b>C = Conditional</b>

### Core:

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1	Company Name(Manufacturer )	Manufacturer GLN	manufacturerOfTradeltem/gln	<b>M</b>	
2		Manufacturer	manufacturerOfTradeltem/partyName	<b>M</b>	
3	Company Name (Information Provider)	Information Provider GLN	informationProviderOfTradeltem/gln	<b>M</b>	
4		Information Provider	informationProviderOfTradeltem/partyName	<b>M</b>	
5	Company Name (Brand Owner)	Brand Owner GLN	brandOwner/gln	<b>M</b>	
6		Brand Owner	brandOwner/partyName	<b>M</b>	
7	Manufacturer Product Number	Product Code	additionalTradeltemIdentificationTypeCode(SUPPLIER_ASSIGNED) & additionalTradeltemIdentification	<b>M</b>	
8	GTIN	GTIN	GTIN	<b>M</b>	
9	Unit Descriptor	Packaging Level	tradeltemUnitDescriptorCode	<b>M</b>	
10	Barcode	Data Carrier Type Code	dataCarrierTypeCode	<b>R</b>	
11		GS1 Trade Item Identification Key Code	gs1TradeltemIdentificationKeyCode	<b>R</b>	
12		UPC	gs1TradeltemIdentificationKeyValue	<b>R</b>	
13	Brand Name	Brand Name	brandName	<b>M</b>	
14	Global Product Classification (GPC)	GPC Code	gpcCategoryCode	<b>M</b>	
15		GPC Description	gpcCategoryName	<b>R</b>	
16	Private Label/Restricted Distribution	Brand Distribution Type	brandDistributionTypeCode	<b>R</b>	

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## Core Continued:

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
17	Manufacturer Short Product Description	Short Description	descriptionShort	<b>M</b>	
18	Product Name	Trade Item Description	tradeltemDescription	<b>R</b>	
19	GTIN of Next Lower Package Level	Name of Next Lower Package Level	childGTIN	<b>C</b>	
20	Number of Next Lower Level GTINs	Number of Next Lower Level GTINs	quantityOfChildren	<b>C</b>	
21a	Quantity of Next Lower Package Level	Unit Quantity	totalQuantityOfNextLowerLevelTradeltem	<b>C</b>	Use this for Unit Quantity if Lower Level Packaging exists and has GTIN
21b	Inner Pack Quantity (No GTIN Assigned)	Unit Quantity	quantityOfInnerPack	<b>C</b>	Use this for Unit Quantity if Lower Level Packaging exists with no GTIN
22	Inner Pack Quantity (No GTIN Assigned)	Quantity Of Next Level Trade Item Within Inner Pack	quantityOfNextLevelTradeltemWithinInnerPack	<b>C</b>	
23		Shipping Container Quantity Description	shippingContainerQuantityDescription	<b>R</b>	
24	Net Content with UoM	Net Content & UOM	netContent & measurementUnitCode	<b>C</b>	One of Net Package Quantity / Individual Unit Minimum / Individual Unit Maximum needs to be filled
25	Individual Unit Measures	Individual Unit Min & UOM	individualUnitMinimumSize & measurementUnitCode	<b>C</b>	
26		Individual Unit Max & UOM	individualUnitMaximumSize & measurementUnitCode	<b>C</b>	
27	Net Weight with UoM	Net Weight	netWeight & measurementUnitCode	<b>M</b>	
28	Gross Weight with UoM	Package Weight & UOM	grossWeight & measurementUnitCode	<b>M</b>	
29	Drained Weight with UoM	Drained Weight & UoM	drainedWeight & measurementUnitCode	<b>R</b>	
30	Height with UoM	Package Height & UOM	height & measurementUnitCode	<b>M</b>	
31	Depth with UoM	Package Depth & UOM	depth & measurementUnitCode	<b>M</b>	

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**Core Continued:**

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
32	Width with UoM	Package Width & UOM	width & measurementUnitCode	M	
33	Cube with UoM	In Box Cube Dimension & UOM	inBoxCubeDimension & measurementUnitCode	R	
34	Pallet Ti and Pallet Hi	Quantity Of Layers Per Pallet (NON-Pallet GTIN)	quantityOfLayersPerPallet	C	<b>One of pairs Quantity Of Trade Items Per Pallet Layer (NON-Pallet GTIN)/Quantity Of Layers Per Pallet (NON-Pallet GTIN) at the Highest Below Pallet level OR Items Per Pallet Layer/Layers Per Pallet at the Pallet level is required.</b>
35	Pallet Ti and Pallet Hi	Quantity Of Trade Items Per Pallet Layer (NON-Pallet GTIN)	quantityOfTradeItemsPerPalletLayer	C	
36	Pallet Ti and Pallet Hi	Layers Per Pallet	quantityOfCompleteLayersContainedInATradeItem	C	
37	Pallet Ti and Pallet Hi	Items Per Pallet Layer	quantityOfTradeItemsContainedInACompleteLayer	C	
38	Shelf Life from Production	Minimum Trade Item Lifespan From Time Of Production	minimumTradeItemLifespanFromTimeOfProduction	M	
39	Shelf Life from Arrival	Minimum Trade Item Lifespan From Time Of Arrival	minimumTradeItemLifespanFromTimeOfArrival	R	
40	Storage Temperature Max and Min with UoM	Storage Temp From	temperatureQualifierCode(STORAGE_HANDLING) & minimumTemperature & temperatureMeasurementUnitCode	M	
41		Storage Temp To	temperatureQualifierCode(STORAGE_HANDLING) & maximumTemperature & temperatureMeasurementUnitCode	M	
42	Country of Origin	Place of Activity/Country of Origin	placeOfProductActivity/countryOfOrigin	M	
43		Order UOM	orderingUnitOfMeasure	R	
44	Item Availability Date	Market Availability Date	startAvailabilityDateTime	R	
45		First Ship Date	firstShipDateTime	R	
46	Effective Date of Change	Information Effective Date	effectiveDateTime	M	

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## Core Continued:

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
47		Discontinued Date	discontinuedDateTime	R	
48		Cancelled Date	cancelledDateTime	R	
49	Functional Name	Functional Name	functionalName	M	
50	Are non-sold items returnable?	Is Non Sold Trade Item Returnable	isNonSoldTradeItemReturnable	R	
51	Is Trade Item Consumer Unit?	Item is Sold to the Consumer	isTradeItemAConsumerUnit	M	
52	Is Trade Item Shipping Unit?	Item is Shipped/Despatched at this Packaging Level	isTradeItemADespatchUnit	M	
53	Is Trade Item Invoice Unit?	Item is Invoiced at this Packaging Level	isTradeItemAnInvoiceUnit	M	
54	Is Trade Item Orderable?	Item is Ordered at this Packaging Level	isTradeItemAnOrderableUnit	M	
55	Is Item the Base Unit (Lowest Packaging Level)	Item is the Lowest Packaging Level	isTradeItemABaseUnit	M	
56	Is Packaging marked as Returnable?	Packaging is Returnable	isPackagingMarkedReturnable	M	
57	Is the Item marked with a Batch/Lot Number?	Has Batch Number	hasBatchNumber	R	
58		Package Quantity Can Vary	isTradeItemAVariableUnit	M	
59	Country of Origin	Place of Activity/Country of Origin	placeOfProductActivity/countryOfOrigin	M	

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**Core Continued:**

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
60	Trade Item Date On Packaging	Format Name	tradeItemDateOnPackagingFormatName	R	
61		Format Type Code	tradeItemDateOnPackagingFormatTypeCode	R	
62		Location	tradeItemDateOnPackagingLocation	R	
63		Date On Packaging Type Code	tradeItemDateOnPackagingTypeCode	R	
64		Packaging Information	packaging/packagingTypeCode & packagingMaterialTypeCode etc	R	
65	For More Information (Contact Information)	Contact Type	tradeItemContactInformation/contactTypeCode	C	Mandatory if Contact Information is provided
66		Contact Name	tradeItemContactInformation/contactName	R	
67		Contact Address	tradeItemContactInformation/contactAddress	R	
68		GLN	tradeItemContactInformation/gln	R	
69		Communication Available Time	tradeItemContactInformation/availableTime	R	
70		Channel Code	tradeItemContactInformation/targetMarketCommunicationChannel/communicationChannel/communicationChannelCode	C	Mandatory if Communication Value is provided
71		Communication Value (For more information)	tradeItemContactInformation/targetMarketCommunicationChannel/communicationChannel/communicationValue & communicationChannelName	R	

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## Marketing:

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1	Consumer Storage and Usage Information	Consumer Storage Instructions	consumerStorageInstructions	<b>M</b>	
2		Consumer Usage Instructions	consumerUsageInstructions	<b>R</b>	
3	Manufacturer Expanded Product Description	Additional Description	additionalTradeltemDescription	<b>M</b>	
4	Benefits	Benefits	tradeltemMarketingMessage	<b>M</b>	
5	Preparation & Cooking Instructions	Preparation Instructions	preparationInstructions	<b>M</b>	Preparation Instructions is required for Food Products at the Highest Below Pallet or the Lowest level
6		Preparation Type	preparationTypeCode	<b>C</b>	M if Preparation and Cooking Suggestions is populated
7	Serving Suggestions	Serving Suggestions	servingSuggestion	<b>M</b>	Serving Suggestion is required for Food Products at the Highest Below Pallet or the Lowest level
8	Diet Type Information	Diet Type Information	dietTypeCode & dietTypeSubcode	<b>R</b>	All valid Codes are accepted ORGNIC; KOSHER; HALAL; VEGAN; DIABETIC; COELIAC; PALEO etc
9		Diet Type Information Certification	certificationAgency & certificationValue & certificationIdentification	<b>R</b>	
10		Genetically Modified Declaration Code	geneticallyModifiedDeclarationCode	<b>R</b>	
11	Growing Method	Growing Method	growingMethodCode	<b>R</b>	All valid Codes are accepted CLONED_FOODS; FARM_RAISED; FREE_RANGE; SUSTAINABLE; ORGANIC; WILD etc

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## Marketing Continued:

Attributes #	GDSN Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
12	Farming and Processing	Organic Information	FarmingAndProcessingInformationModule/tradeItemOrganicInformation/organicTradeItemCode & organicClaimAgencyCode	R	
13		Packaging Marked Label Accreditation Code	packagingMarkedLabelAccreditationCode(FAIR_TRADE_MARK)	R	All valid Codes are accepted FAIR_TRADE_MARK; MARINE_STEWARDSHIP_COUNCIL_LABEL; BIODEGRADABLE; BEST_AQUACULTURE_PR
14		Trade item Sustainability Feature Code	tradeItemSustainabilityFeatureCode	R	
15	Illegal To Advertise Target Market	Country Code	marketingInformation/illegalToadvertise/targetMarketCountryCode	C	Mandatory if Subdivision Code is provided
16		Subdivision Code	marketingInformation/illegalToadvertise/targetMarketSubdivisionCode	R	
17		Key Words	tradeItemKeyWords	R	
18		Seasonal Item	isTradeItemSeasonal	R	
19		Genetically Modified	tradeItemGeneticallyModifiedCode	R	
20	Is the Item marked as recyclable?	Is it marked as recyclable?	isTradeItemMarkedAsRecyclable	R	
21		Fish Reporting Informaton	catchMethodCode & productionMethod ForFishAndSeafoodCode & catchAreaCode	R	

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## Nutrition:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1	Servings of the Trade Item Unit	Number of Servings Per Package	numberOfServingsPerPackage	<b>R</b>	
2	Serving Size	Serving Size	servingSize & measurementUnitCode	<b>M</b>	
3		Serving Size Description	servingSizeDescription	<b>M</b>	
4		Basis Type Code	nutrientBasisQuantityTypeCode	<b>R</b>	
5		Basis Quantity	nutrientBasisQuantity & measurementUnitCode	<b>R</b>	
6	Nutrient Label contents and measures	Preparation State	preparationStateCode	<b>C</b>	M if any Nutrients stated
7	Ingredients English (& Spanish optional)	Ingredient Statement	ingredientStatement	<b>M</b>	
8	Nutrient Relevant Data Provided	Nutrient Relevant Data Provided	isNutrientRelevantDataProvided	<b>R</b>	If provided value is Yes product passes Nutrients audit
9	Nutritional Information	Nutrient Format Type Code Reference	nutrientFormatTypeCodeReference	<b>R</b>	Please use codes starting with <a href="#">US_FDA_NFP_2020</a> to indicate FDA Nutrition Facts Panel <b>2020</b> . Other codes or Blank value are used for FDA Nutrition Facts Panel <b>Pre-2020</b>
10	Nutrient Label contents and measures	Calcium (mg)	nutrientTypeCode(CA) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>M</b>	Mandatory for <b>2020</b> FDA Nutrition Facts Panel
11		Calcium % RDI USA	nutrientTypeCode(CA) & dailyValueIntakePercent	<b>M</b>	
12	Nutrient Label contents and measures	Calories (kcal)	nutrientTypeCode(ENER-) & measurementPrecisionCode & quantityContained & measurementUnitCode(E14)	<b>M</b>	
13	Nutrient Label contents and measures	Calories from Fat (kcal)	nutrientTypeCode(ENERPF) & measurementPrecisionCode & quantityContained & measurementUnitCode(E14)	<b>M</b>	Mandatory for <b>Pre-2020</b> FDA Nutrition Facts Panel

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## Nutrition Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
14	Nutrient Label contents and measures	Carbohydrates	nutrientTypeCode(CHO-) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>M</b>	
15		Carbohydrates % RDI USA	nutrientTypeCode(CHO-) & dailyValueIntakePercent	<b>M</b>	
16	Nutrient Label contents and measures	Cholesterol (mg)	nutrientTypeCode(CHOL-) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>M</b>	
17		Cholesterol % RDI USA	nutrientTypeCode(CHOL-) & dailyValueIntakePercent	<b>M</b>	
18	Nutrient Label contents and measures	Folate (mcg)	nutrientTypeCode(FOL-) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>R</b>	
19		Folate % RDI USA	nutrientTypeCode(FOL-) & dailyValueIntakePercent	<b>R</b>	
20	Nutrient Label contents and measures	Insoluble Fibre	nutrientTypeCode(FIBINS) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>R</b>	
21	Nutrient Label contents and measures	Iron (mg)	nutrientTypeCode(Fe) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>M</b>	Mandatory for <b>2020</b> FDA Nutrition Facts Panel
22		Iron % RDI USA	nutrientTypeCode(Fe) & dailyValueIntakePercent	<b>M</b>	
23	Nutrient Label contents and measures	Monounsaturated Fat	nutrientTypeCode(FAMS) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>R</b>	
24	Nutrient Label contents and measures	Other Carbohydrates	nutrientTypeCode(CHOAVL) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>R</b>	
25		Other Carbohydrates % RDI USA	nutrientTypeCode(CHOAVL) & dailyValueIntakePercent	<b>R</b>	

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## Nutrition Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
26	Nutrient Label contents and measures	Phosphorous (mg)	nutrientTypeCode(P) & measurementPrecisionCode & quantityContained & measurementUnitCode	R	
27		Phosphorous % RDI USA	nutrientTypeCode(P) & dailyValueIntakePercent	R	
28	Nutrient Label contents and measures	Polyunsaturated Fat	nutrientTypeCode(FAPU) & measurementPrecisionCode & quantityContained & measurementUnitCode	R	
29	Nutrient Label contents and measures	Potassium (mg)	nutrientTypeCode(K) & measurementPrecisionCode & quantityContained & measurementUnitCode	M	Mandatory for <b>2020</b> FDA Nutrition Facts Panel
30		Potassium % RDI USA	nutrientTypeCode(K) & dailyValueIntakePercent	M	Mandatory for <b>2020</b> FDA Nutrition Facts Panel
31	Nutrient Label contents and measures	Protein	nutrientTypeCode(PRO-) & measurementPrecisionCode & quantityContained & measurementUnitCode	M	
32	Nutrient Label contents and measures	Saturated Fat	nutrientTypeCode(FASAT) & measurementPrecisionCode & quantityContained & measurementUnitCode	M	
33		Saturated Fat % RDI USA	nutrientTypeCode(FASAT) & dailyValueIntakePercent	M	
34	Nutrient Label contents and measures	Sodium (mg)	nutrientTypeCode(NA) & measurementPrecisionCode & quantityContained & measurementUnitCode	M	
35		Sodium % RDI USA	nutrientTypeCode(NA) & dailyValueIntakePercent	M	
36	Nutrient Label contents and measures	Total Dietary Fiber	nutrientTypeCode(FIBITSW) & measurementPrecisionCode & quantityContained & measurementUnitCode	M	
37		Total Dietary Fiber % RDI USA	nutrientTypeCode(FIBITSW) & dailyValueIntakePercent	M	
38	Nutrient Label contents and measures	Total Fat	nutrientTypeCode(FAT) & measurementPrecisionCode & quantityContained & measurementUnitCode	M	
39		Total Fat % RDI USA	nutrientTypeCode(FAT) & dailyValueIntakePercent	M	

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## Nutrition Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
40	Nutrient Label contents and measures	Added Sugar	nutrientTypeCode(SUGAD) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>M</b>	Mandatory for <b>2020</b> FDA Nutrition Facts Panel
41		Added Sugar % RDI USA	nutrientTypeCode(SUGAD) & dailyValueIntakePercent	<b>M</b>	Mandatory for <b>2020</b> FDA Nutrition Facts Panel
42	Nutrient Label contents and measures	Total Sugar	nutrientTypeCode(SUGAR-) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>M</b>	
43	Nutrient Label contents and measures	Transfatty Acids	nutrientTypeCode(FATR) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>M</b>	
44	Nutrient Label contents and measures	Vitamin A IU % RDI USA	nutrientTypeCode(VITA-) & dailyValueIntakePercent	<b>M</b>	Mandatory for <b>Pre-2020</b> FDA Nutrition Facts Panel
45	Nutrient Label contents and measures	Riboflavin B2 (mg)	nutrientTypeCode(RIBF) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>R</b>	
46		Riboflavin B2 % RDI USA	nutrientTypeCode(RIBF) & dailyValueIntakePercent	<b>R</b>	
47	Nutrient Label contents and measures	Vitamin C % RDI USA	nutrientTypeCode(VITC-) & dailyValueIntakePercent	<b>M</b>	Mandatory for <b>Pre-2020</b> FDA Nutrition Facts Panel
48	Nutrient Label contents and measures	Vitamin D (mcg)	nutrientTypeCode(VITD-) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>M</b>	Mandatory for <b>2020</b> FDA Nutrition Facts Panel
49		Vitamin D % RDI USA	nutrientTypeCode(VITD-) & dailyValueIntakePercent	<b>M</b>	Mandatory for <b>2020</b> FDA Nutrition Facts Panel
50	Nutrient Label contents and measures	Vitamin K (mcg)	nutrientTypeCode(VITK) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>R</b>	
51		Vitamin K % RDI USA	nutrientTypeCode(VITK) & dailyValueIntakePercent	<b>R</b>	
52	Nutrient Label contents and measures	Zinc (mg)	nutrientTypeCode(ZN) & measurementPrecisionCode & quantityContained & measurementUnitCode	<b>R</b>	
53		Zinc % RDI USA	nutrientTypeCode(ZN) & dailyValueIntakePercent	<b>R</b>	

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## Nutrition Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
54	Nutrient Detail	Nutrient Value Derivation Code	nutrientValueDerivationCode	R	
55	USDA Nutrient Database #	Food Beverage Composition	foodBeverageCompositionDatabaseCode(USDA) & foodBeverageCompositionCode	R	
56	Allergen Relevant Data Provided	Allergen Relevant Data Provided	isAllergenRelevantDataProvided	R	If provided value is Yes product passes Allergens audit
57	Allergens	Allergen Agency	allergenSpecificationAgency	C	M if any Allergens stated
58		Allergen Regulation Name	allergenSpecificationName	C	M if any Allergens stated
59		Eggs	allergenTypeCode(AE) & levelOfContainmentCode	M	
60		Milk	allergenTypeCode(AM) & levelOfContainmentCode	M	
61		Peanuts	allergenTypeCode(AP) & levelOfContainmentCode	M	
62		Soy	allergenTypeCode(AY) & levelOfContainmentCode	M	
63		Wheat	allergenTypeCode(UW) & levelOfContainmentCode	M	
64		Tree Nuts	allergenTypeCode(AN) & levelOfContainmentCode	M	
65		Crustacean	allergenTypeCode(AC) & levelOfContainmentCode	M	
66		Fish	allergenTypeCode(AF) & levelOfContainmentCode	M	
67		Sesame	allergenTypeCode(AS) & levelOfContainmentCode	R	
68		Child nutrition label	Child Nutrition Flag	nutritionalLabelTypeCode(1)	R
69	Child Nutrition Label		childNutritionProductIdentification & childNutritionExpirationDateTime & childNutritionLabelStatement & childNutritionQualifierCode & childNutritionQualifiedValue & childNutritionValue & referencedFileTypeCode(CHILD_NUTRITION_LABEL) & uniformResourceIdentifier & fileFormatName & fileName & fileEffectiveStartDateTime	R	

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## Nutrition Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
70	Nutritional Claim	Nutritional Claim (Low Calorie)	nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(CALORIE)	R	All valid claims are accepted
71		Nutritional Claim (Low Cholesterol)	nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(CHOLESTEROL)	R	
72		Nutritional Claim (Cholesterol Free)	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(CHOLESTEROL)	R	
73		Nutritional Claim (Dairy Free)	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(DAIRY)	R	
74		Nutritional Claim (Lactose Free)	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(LACTOSE)	R	
75		Nutritional Claim (Reduced Fat)	nutritionalClaimTypeCode(REduced_LESS) & nutritionalClaimNutrientElementCode(FAT)	R	
76		Nutritional Claim (Fat Free)	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(FAT)	R	
77		Nutritional Claim (Low Sodium)	nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(SODIUM_SALT)	R	
78		Nutritional Claim (Sodium Free)	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(SODIUM_SALT)	R	
79		Nutritional Claim (Trans Fat Status)	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(TRANS_FAT)	R	
80		Nutritional Claim (Probiotic)	nutritionalClaimTypeCode(CONTAINS) & nutritionalClaimNutrientElementCode(PROBIOTICS)	R	
81		Nutritional Claim (No Sugar Added)	nutritionalClaimTypeCode(NO_ADDED) & nutritionalClaimNutrientElementCode(SUGARS)	R	
82		Nutritional Claim (Natural)	nutritionalClaimTypeCode(NATURAL)	R	
83		Nutritional Claim (Corn Free)	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(CORN)	R	
84		Nutritional Claim (MSG Free)	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(MSG)	R	
85	Nutritional Claim (Natural)	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(ANTIBIOTICS)	R		

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**HazMat:**

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1		Hazmat	isDangerousSubstance	R	
2		Hazmat Class	classOfDangerousGoods	R	
3		Hazmat Chemical	dangerousGoodsTechnicalName	C	M if Hazmat Class Stated
4		Hazmat Image	referencedFileTypeCode(SAFETY_DATA_SHEET) & uniformResourceIdentifier & fileName & fileFormatName & fileName & contentDescription & fileEffectiveStartDateTime	R	
5		Hazmat Packing Group	dangerousGoodsPackingGroup	R	
6		Hazmat UN/NA Number	unitedNationsDangerousGoodsNumber	R	

Please see Syndigo HFG Field Definition Document for more information.