



NICHOLAS

AND COMPANY



Nicholas and Company

GDSN Implementation Guide

Version 2.6
January 2018

OVERVIEW

This document is intended for Suppliers who will be sending product data to Nicholas and Company through the GDSN and have subscribed to a GDSN Certified Data Pool other than FSEnet⁺.

Suppliers currently publishing item information through the Global Data Synchronization Network (GDSN) for their Retail Trading Partners will need to populate additional data attributes to meet the Nicholas & Company's Food Service data requirement.

The following options are available to these Suppliers:

Option 1: GDSN – Provide all data attributes via GDSN

Option 2: GDSN Plus – Provide additional attributes to FSEnet⁺ directly

All communication related to Nicholas & Company's implementation should be directed to FSEnet⁺. Your FSEnet⁺ contact will review the options available to you and recommend the option which best suits your company's needs.

For additional questions Dallin Hill can be reached at (801-531-1100) or datasynch@nicholasandco.com.

FSE – Contacts

1. For Suppliers who have an existing relationship with FSEnet⁺, please contact your assigned FSE Account Manager. If unsure of whom your contact is, please contact John Ketcham, John.Ketcham@fsenet.com or 781-795-7041.
2. For Suppliers who do not have an existing relationship with FSEnet⁺, please contact David Jellenik, david@fsenet.com or 617-431-1246.

Nicholas and Company GLN Information

Nicholas and Company Production GLN: 0022938000006

Nicholas and Company Data Synchronization Environment

Data Pool: FSEnet⁺

System: FSEnet⁺ Portal

Option 1 : Publishing to Nicholas and Company via the GDSN

Publications

1. Nicholas and Company requires their Suppliers to publish all products that the Supplier would like to make available for sale to Nicholas & Company. Items to include:
 - a. Items Nicholas and Company currently purchases
 - b. Items that Supplier would like to make available to Nicholas and Company to purchase in the future.
2. For the first Nicholas and Company 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 FSEnet⁺ to confirm your implementation option
 - b. Review the list of required attributes in this document
 - c. Nicholas and Company will create a subscription based upon your GLN
2. Prepare product data for Publication
3. Publish all products as “Initial Load”
 - a. Confirm with FSEnet⁺ how initial publication should be sent
4. Watch for CIC responses and investigate those with “Review” status
5. Ongoing publications to be sent with “New” or “Update” status. To inactivate a product, send as “Delete”.

Catalog Item Confirmations (CIC's)

Nicholas and Company 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:

Received: Product has been received and has passed Nicholas and Company GDSN validations. This response will typically be sent within a few hours after receiving the publication.

Reviewed: Product does not pass Nicholas and Company GDSN validations or product has been matched (Rationalized) with a Nicholas and Company catalog item, but has failed Nicholas and Company 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 Nicholas and Company 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 Nicholas & Company. 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 FSEnet⁺ as a delete following the Accepted or Review CIC status.

Option 2: GDSN Plus – Providing Additional Attributes to FSEnet⁺

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

Required Nicholas and Company Product Attributes

Legend

M = Mandatory Minimum subset of attributes that are required for Nicholas and Company to receive publication.

R = Additional attributes requested by Nicholas and Company to fulfill the complete data requirement.

C = Conditional

Core:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1	Brand Name	Brand Name	brandName	M	
2	GTIN	GTIN	GTIN	M	
3	Barcode	Barcode Value Type	gs1TradeItemIdentificationKeyCode	M	
4		Barcode	gs1TradeItemIdentificationKeyValue	R	
5	Unit Descriptor	Product Type	tradeItemUnitDescriptorCode	M	
6	Company Name (Brand Owner)	Brand Owner GLN	partyRoleCode(BRAND_OWNER) & gln	M	
7		Brand Owner	partyRoleCode(BRAND_OWNER) & partyName	M	
8	Company Name (Manufacturer)	Manufacturer GLN	partyRoleCode(MANUFACTURER_OF_GOODS) & gln	M	
9		Manufacturer	partyRoleCode(MANUFACTURER_OF_GOODS) & partyName	M	
10	Company Name (Information Provider)	Information Provider GLN	partyRoleCode(INFORMATION_PROVIDER) & gln	M	
11		Information Provider	partyRoleCode(INFORMATION_PROVIDER) & partyName	M	
12	Manufacturer Product Number	Product Code Type	additionalTradeItemIdentificationTypeCode	M	SUPPLIER_ASSIGNED
13	Manufacturer Product Number	Product Code	additionalTradeItemIdentification	M	
14	Manufacturer Short Product Description	English Product Name Short	descriptionShort	M	
15	Product Name	English Product Name Long	tradeItemDescription	R	
16	Functional Name	Functional Name	functionalName	M	
17	Global Product Classification (GPC)	GPC Code	gpcCategoryCode	M	
18		GPC Description	gpcCategoryName	M	derived from GPC Code
19	Storage Temperature Max and Min with UoM	Storage Temp From	temperatureQualifierCode(STORAGE_HANDLING) & minimumTemperature & UOM	M	
20		Storage Temp To	temperatureQualifierCode(STORAGE_HANDLING) & maximumTemperature & UOM	M	
21	Shelf Life	Shelf Life from Production	minimumTradeItemLifespanFromTimeOfProduction	M	
22		Shelf Life from Arrival	minimumTradeItemLifespanFromTimeOfArrival	R	

Core Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
23	Gross Weight w ith UoM	Gross Weight	grossWeight & UoM	M	
24	Net Weight w ith UoM	Net Weight	netWeight & UoM	M	
25	Catch Weight	Variable Unit	isTradeItemAVariableUnit	M	
26	Height w ith UoM	Height	height & UoM	M	
27	Width w ith UoM	Width	w idth & UoM	M	
28	Depth w ith UoM	Length	depth & UoM	M	
29	Cube w ith UoM	Volume	inBoxCubeDimension & UOM	M	FSEnet+ to calculate from case dimensions
30	Pallet Ti and Pallet Hi	Pallet High	quantityOfLayersPerPallet	M	
31	Pallet Ti and Pallet Hi	Pallet Tie	quantityOfTradeItemsPerPalletLayer	M	
32	Pallet Ti and Pallet Hi	Pallet GTIN High	quantityOfCompleteLayersContainedInATradeItem	R	
33	Pallet Ti and Pallet Hi	Pallet GTIN Tie	quantityOfTradeItemsContainedInACompleteLayer	R	
34	Pallet Ti and Pallet Hi	Total Pallet Quantity	quantityOfTradeItemsPerPallet	R	
35	Item Availability Date	Availability Date	startAvailabilityDateTime	M	
36	Target Market	Target Market	targetMarketCountryCode	M	
37	Effective Date of Change	Product Effective Date	effectiveDateTime	M	
38		Discontinue Date	discontinuedDateTime	R	
39	Kosher, Vegan, Halal, Gluten-free etc.	Diet Type: FREE_FROM_GLUTEN	dietTypeCode(FREE_FROM_GLUTEN)	R	
40		Diet Type: HALAL	dietTypeCode(HALAL)	R	
41		Diet Type: KOSHER	dietTypeCode(KOSHER)	R	
42		Diet Type: VEGETARIAN	dietTypeCode(VEGETARIAN)	R	
43		Diet Type Subcode for VEGETARIAN	dietTypeCode(VEGETARIAN) & dietTypeSubcode	R	
44		Diet Type: VEGAN	dietTypeCode(VEGAN)	R	
45	Pack Size Text	Pack Size Text	shippingContainerQuantityDescription	R	
46	Is the Item marked w ith a Batch/Lot Number?	Marked w ith Batch Number	hasBatchNumber	R	
47	GTIN of Next Low er Package Level	Name of Next Low er Package Level	childGTIN	C	

Core Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
48	Number of Next Lower Level GTINs	Number of Next Lower Level GTINs	quantityOfChildren	C	
49	Quantity of Next Lower Package Level	Unit Quantity	totalQuantityOfNextLowerLevelTradeItem	C	Use this for Unit Quantity if Lower Level Packaging exists and has GTIN
50	Quantity of Inner Packs	Unit Quantity	quantityOfInnerPack	C	Use this for Unit Quantity if Lower Level Packaging exists with no GTIN
51	Item in Inner Pack Quantity (No GTIN Assigned)	Item in Inner Pack Quantity (No GTIN Assigned)	quantityOfNextLevelTradeItemWithinInnerPack	R	
52	Net Content with UoM	Net Content	netContent & UOM	M	
53	Individual Unit Measures	Individual Unit Minimum	individualUnitMinimumSize & UOM	C	
54		Individual Unit Maximum	individualUnitMaximumSize & UOM	C	
55	Country of Origin	Country Origin of Product	tradeItemCountryOfOrigin	M	
56	Is Trade Item Consumer Unit?	Is it a Consumer Unit	isTradeItemAConsumerUnit	M	
57	Is Trade Item Shipping Unit?	Is trade item shipping unit	isTradeItemADespatchUnit	M	
58	Is Trade Item Invoice Unit?	Is it an Invoice Unit	isTradeItemAnInvoiceUnit	M	
59	Is Trade Item Orderable?	Is Trade Item Orderable	isTradeItemAnOrderableUnit	M	
60	Is Item the Base Unit (Low est Packaging Level)	Is trade Item a Base Unit	isTradeItemABaseUnit	M	
61	Are non-sold items returnable?	Are non-sold items returnable	isNonSoldTradeItemReturnable	R	
62	Is Packaging marked as Returnable?	Is packaging marked as Returnable	isPackagingMarkedReturnable	M	

Publishing additional attributes to Nicholas and Company via the GDSN

Nicholas and Company will accept additional attributes if made available through the GDSN. The additional attributes have been broken into two subsets of data including Marketing and Nutrition. Each subset of data has minimum requirements for publication. Please refer to appendix A to review the requirements.

Appendix A Marketing:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1	Consumer Storage and Usage Information	Consumer Storage Information	consumerStorageInstructions	M	
2		Consumer Usage Information	consumerUsageInstructions	R	
3	Benefits	Benefits	tradeItemMarketingMessage	M	
4	Manufacturer Expanded Product Description	General Description	additionalTradeItemDescription	R	
5	Preparation & Cooking Instructions	Preparation and Cooking Suggestions	preparationInstructions	C	M if Food
6	Preparation & Cooking Instructions	Preparation Type	preparationTypeCode	C	M if Preparation and Cooking Instructions is populated
7	Serving Suggestions	Serving Suggestions	servingSuggestion	M	
8	For More Information (Contact Information)	Contact Department	ContactTypeCode	R	
9		For more information	communicationValue	R	
10		Contact Code	communicationChannelCode	R	
11	Servings of the Trade Item Unit	Number of Servings Per Package	numberOfServingsPerPackage	C	M if Food
12	Nutritional Claim	Can your product be labeled as Natural or All Natural	nutritionalClaimTypeCode(NATURAL)	R	
13		Probiotic	nutritionalClaimTypeCode(CONTAINS) & nutritionalClaimNutrientElementCode(PROBIOTICS)	R	
14		Lactose Free	nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(LACTOSE)	R	
15	Is the Item marked as recyclable?	Is Trade Item marked as Recyclable	isTradeItemMarkedAsRecyclable	R	
16		Is Trade Item packaging made from renewable resources	packagingRenewableContentTypeCode(RENEWABLE_CONTENT)	R	
17		Is Trade Item packaging marked as Recyclable	packagingRecyclingSchemeCode	R	
18		Biodegradable/Compostable	sustainabilityFeatureCode(BIODEGRADABLE)	R	
19		Is product made from renewable resources	sustainabilityFeatureCode(MADE_FROM_RENEWABLE_MATERIAL)	R	

Marketing Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
20	Growing Method	Cloned Foods	grow ingMethodCode(CLONED_FOODS)	R	
21		Farm Raised	grow ingMethodCode(FARM_RAISED)	R	
22		Free Range	grow ingMethodCode(FREE_RANGE)	R	
23		Grass Fed	grow ingMethodCode(GRASS_FED)	R	
24		Certified Humane	grow ingMethodCode(HUMANELY_RAISED)	R	
25		Organic	grow ingMethodCode(ORGANIC)	R	
26		Shade Grow n	grow ingMethodCode(SHADE_GROWN)	R	
27		Sustainable	grow ingMethodCode(SUSTA INABLE)	R	
28		Wild	grow ingMethodCode(WILD)	R	
29		Accreditation Label	Aquaculture Certification Council Certified	packagingMarkedLabelAccreditationCode(BEST_AQU ACULTURE_PRACTICES)	R
30	Fair Trade Certified		packagingMarkedLabelAccreditationCode(FAIR_TRADE_MARK)	R	
31	Packaging is marked with Green Dot		packagingMarkedLabelAccreditationCode(GREEN_DOT)	R	
32	Green Restaurant Association Endorsed		packagingMarkedLabelAccreditationCode(GREEN_RESTAURANT_ASSOCIATION_ENDORSED)	R	
33	Green Seal Certified		packagingMarkedLabelAccreditationCode(GREEN_SEAL_CERTIFIED)	R	
34	Marine Stewardship Council Certified		packagingMarkedLabelAccreditationCode(MARINE_STEWARDSHIP_COUNCIL_LABEL)	R	
35	Protected Harvest Certified		packagingMarkedLabelAccreditationCode(PROTECTED_HARVEST_CERTIFIED)	R	
36	Rainforest Alliance Certified		packagingMarkedLabelAccreditationCode(RAINFOREST_ALLIANCE)	R	
37	USDA Grade		packagingMarkedLabelAccreditationCode(USDA)	R	
38			No Added Synthetic Hormones	additiveName & levelOfContainmentCode	R
39		rBST Free	additiveName & levelOfContainmentCode	R	
40		Genetically Modified	geneticallyModifiedDeclarationCode	R	
41		Seasonal Item	isTradeItemSeasonal	R	
42		Food Alliance Certified	certificationAgency + certificationStandard + certificationValue	R	
43		Is Case packaging Biodegradable	TBD	R	
44		Cheese ONLY	TBD	R	

Nutrition:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1	Allergen Relevant Data Provided	Allergen Relevant Data Provided	allergenRelevantDataProvided(AVP)	R	If provided value is Yes product passes Allergen audit
2	Allergens	Allergen Agency	allergenSpecificationAgency	C	M if any Allergens stated
3		Allergen Regulation Name	allergenSpecificationName	C	M if any Allergens stated
4		Eggs	allergenTypeCode(AE) & levelOfContainmentCode	R	
5		Tree Nuts	allergenTypeCode(AN) & levelOfContainmentCode	R	
6		Peanuts	allergenTypeCode(AP) & levelOfContainmentCode	R	
7		Milk	allergenTypeCode(AM) & levelOfContainmentCode	R	
8		Fish	allergenTypeCode(AF) & levelOfContainmentCode	R	
9		Crustacean	allergenTypeCode(AC) & levelOfContainmentCode	R	
10		Wheat	allergenTypeCode(UW) & levelOfContainmentCode	R	
11		Soybeans	allergenTypeCode(AY) & levelOfContainmentCode	R	
12		Sesame	allergenTypeCode(AS) & levelOfContainmentCode	R	
13		Sulphites	allergenTypeCode(AU) & levelOfContainmentCode	R	
14	Nutrient Label contents and measures	Serving Size	servingSize & UOM	M	
15	Nutrient Label contents and measures	Serving Size Description	servingSizeDescription	M	
16	Nutrient Label contents and measures	Preparation State	preparationStateCode	C	M if any Nutrients stated
17	Nutrient Label contents and measures	Basis Type Code	nutrientBasisQuantityTypeCode	R	
18	Nutrient Label contents and measures	Basis Quantity	nutrientBasisQuantity & UOM	R	
19	Nutrient Relevant Data Provided	Nutrient Relevant Data Provided	nutrientRelevantDataProvided(AVP)	R	If provided value is Yes product passes Nutrition audit
20	Nutrient Label contents and measures	Biotin % RDI USA	nutrientTypeCode(BIOT) & dailyValueIntakePercent	R	
21	Nutrient Label contents and measures	Calcium % RDI USA	nutrientTypeCode(CA) & dailyValueIntakePercent	M	
22	Nutrient Label contents and measures	Calcium (mg)	nutrientTypeCode(CA) & measurementPrecisionCode & quantityContained & UOM	R	
23	Nutrient Label contents and measures	Calories (Cal)	nutrientTypeCode(ENER-) & measurementPrecisionCode & quantityContained & UOM	M	

Nutrition Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
24	Nutrient Label contents and measures	Calories from Fat (Cal)	nutrientTypeCode(ENERPF) & measurementPrecisionCode & quantityContained & UOM	M	
25	Nutrient Label contents and measures	Carbohydrates	nutrientTypeCode(CHO-) & measurementPrecisionCode & quantityContained & UOM	M	
26	Nutrient Label contents and measures	Carbohydrates % RDI USA	nutrientTypeCode(CHO-) & dailyValueIntakePercent	M	
27	Nutrient Label contents and measures	Other Carbohydrates	nutrientTypeCode(CHOAVL) & measurementPrecisionCode & quantityContained & UOM	R	
28	Nutrient Label contents and measures	Chloride % RDI USA	nutrientTypeCode(CLD) & dailyValueIntakePercent	R	
29	Nutrient Label contents and measures	Cholesterol % RDI USA	nutrientTypeCode(CHOL-) & dailyValueIntakePercent	M	
30	Nutrient Label contents and measures	Cholesterol (mg)	nutrientTypeCode(CHOL-) & measurementPrecisionCode & quantityContained & UOM	M	
31	Nutrient Label contents and measures	Chromium % RDI USA	nutrientTypeCode(CR) & dailyValueIntakePercent	R	
32	Nutrient Label contents and measures	Copper % RDI USA	nutrientTypeCode(CU) & dailyValueIntakePercent	R	
33	Nutrient Label contents and measures	Folate (mcg)	nutrientTypeCode(FOL-) & measurementPrecisionCode & quantityContained & UOM	R	
34	Nutrient Label contents and measures	Insoluble Fibre	nutrientTypeCode(FIBINS) & measurementPrecisionCode & quantityContained & UOM	R	
35	Nutrient Label contents and measures	Insoluble Fibre % RDI USA	nutrientTypeCode(FIBINS) & dailyValueIntakePercent	R	
36	Nutrient Label contents and measures	Iron % RDI USA	nutrientTypeCode(Fe) & dailyValueIntakePercent	M	
37	Nutrient Label contents and measures	Iron (mg)	nutrientTypeCode(Fe) & measurementPrecisionCode & quantityContained & UOM	R	
38	Nutrient Label contents and measures	Magnesium % RDI USA	nutrientTypeCode(MG) & dailyValueIntakePercent	R	
39	Nutrient Label contents and measures	Manganese % RDI USA	nutrientTypeCode(MN) & dailyValueIntakePercent	R	
40	Nutrient Label contents and measures	Molybdenum % RDI USA	nutrientTypeCode(MO) & dailyValueIntakePercent	R	
41	Nutrient Label contents and measures	Monounsaturated Fat	nutrientTypeCode(FAMS) & measurementPrecisionCode & quantityContained & UOM	R	
42	Nutrient Label contents and measures	Monounsaturated Fat % RDI USA	nutrientTypeCode(FAMS) & dailyValueIntakePercent	R	
43	Nutrient Label contents and measures	Niacin % RDI USA	nutrientTypeCode(NIA) & dailyValueIntakePercent	R	

Nutrition Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
44	Nutrient Label contents and measures	Pantothenic % RDI USA	nutrientTypeCode(PANTAC) & dailyValueIntakePercent	R	
45	Nutrient Label contents and measures	Phosphorous % RDI USA	nutrientTypeCode(P) & dailyValueIntakePercent	R	
46	Nutrient Label contents and measures	Phosphorous (mg)	nutrientTypeCode(P) & measurementPrecisionCode & quantityContained & UOM	R	
47	Nutrient Label contents and measures	Polyunsaturated % RDI USA	nutrientTypeCode(FAPU) & dailyValueIntakePercent	R	
48	Nutrient Label contents and measures	Polyunsaturated Fat	nutrientTypeCode(FAPU) & measurementPrecisionCode & quantityContained & UOM	R	
49	Nutrient Label contents and measures	Potassium % RDI USA	nutrientTypeCode(K) & dailyValueIntakePercent	R	
50	Nutrient Label contents and measures	Potassium (mg)	nutrientTypeCode(K) & measurementPrecisionCode & quantityContained & UOM	R	
51	Nutrient Label contents and measures	Protein	nutrientTypeCode(PRO-) & measurementPrecisionCode & quantityContained & UOM	M	
52	Nutrient Label contents and measures	Riboflavin % RDI USA	nutrientTypeCode(RIBF) & dailyValueIntakePercent	R	
53	Nutrient Label contents and measures	RiboflavinB2 (mg)	nutrientTypeCode(RIBF) & measurementPrecisionCode & quantityContained & UOM	R	
54	Nutrient Label contents and measures	Saturated Fat	nutrientTypeCode(FASAT) & measurementPrecisionCode & quantityContained & UOM	M	
55	Nutrient Label contents and measures	Saturated Fat % RDI USA	nutrientTypeCode(FASAT) & dailyValueIntakePercent	M	
56	Nutrient Label contents and measures	Selenium % RDI USA	nutrientTypeCode(SE) & dailyValueIntakePercent	R	
57	Nutrient Label contents and measures	Sodium % RDI USA	nutrientTypeCode(NA) & dailyValueIntakePercent	M	
58	Nutrient Label contents and measures	Sodium (mg)	nutrientTypeCode(NA) & measurementPrecisionCode & quantityContained & UOM	M	
59	Nutrient Label contents and measures	Soluble Fibre	nutrientTypeCode(FIBSOL) & measurementPrecisionCode & quantityContained & UOM	R	
60	Nutrient Label contents and measures	Soluble Fiber % RDI USA	nutrientTypeCode(FIBSOL) & dailyValueIntakePercent	R	
61	Nutrient Label contents and measures	Thiamin % RDI USA	nutrientTypeCode(THIA) & dailyValueIntakePercent	R	
62	Nutrient Label contents and measures	Total Dietary Fiber	nutrientTypeCode(FIBTSW) & measurementPrecisionCode & quantityContained & UOM	M	
63	Nutrient Label contents and measures	Total Dietary Fiber % RDI USA	nutrientTypeCode(FIBTSW) & dailyValueIntakePercent	M	

Nutrition Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
64	Nutrient Label contents and measures	Total Fat	nutrientTypeCode(FAT) & measurementPrecisionCode & quantityContained & UOM	M	
65	Nutrient Label contents and measures	Total Fat % RDI USA	nutrientTypeCode(FAT) & dailyValueIntakePercent	M	
66	Nutrient Label contents and measures	Total Folate % RDI USA	nutrientTypeCode(FOL-) & dailyValueIntakePercent	R	
67	Nutrient Label contents and measures	Total Sugar	nutrientTypeCode(SUGAR-) & measurementPrecisionCode & quantityContained & UOM	M	
68	Nutrient Label contents and measures	Total Sugar % RDI USA	nutrientTypeCode(SUGAR-) & dailyValueIntakePercent	R	
69	Nutrient Label contents and measures	Transfatty Acids	nutrientTypeCode(FA TRN) & measurementPrecisionCode & quantityContained & UOM	M	
70	Nutrient Label contents and measures	Vitamin A IU % RDI USA	nutrientTypeCode(VITA-) & dailyValueIntakePercent	M	
71	Nutrient Label contents and measures	Vitamin B12 % RDI USA	nutrientTypeCode(VITB12) & dailyValueIntakePercent	R	
72	Nutrient Label contents and measures	Vitamin B6 % RDI USA	nutrientTypeCode(VITB6-) & dailyValueIntakePercent	R	
73	Nutrient Label contents and measures	Vitamin C % RDI USA	nutrientTypeCode(VITC-) & dailyValueIntakePercent	M	
74	Nutrient Label contents and measures	Vitamin C (mg)	nutrientTypeCode(VITC-) & measurementPrecisionCode & quantityContained & UOM	R	
75	Nutrient Label contents and measures	Vitamin D % RDI USA	nutrientTypeCode(VITD-) & dailyValueIntakePercent	R	
76	Nutrient Label contents and measures	Vitamin D (mcg)	nutrientTypeCode(VITD-) & measurementPrecisionCode & quantityContained & UOM	R	
77	Nutrient Label contents and measures	Vitamin E % RDI USA	nutrientTypeCode(VITE-) & measurementPrecisionCode & quantityContained & UOM	R	
78	Nutrient Label contents and measures	Vitamin K % RDI USA	nutrientTypeCode(VITK) & measurementPrecisionCode & quantityContained & UOM	R	
79	Nutrient Label contents and measures	Zinc % RDI USA	nutrientTypeCode(ZN) & dailyValueIntakePercent	R	
80	Nutrient Label contents and measures	Zinc (mg)	nutrientTypeCode(ZN) & measurementPrecisionCode & quantityContained & UOM	R	
81	Child nutrition label	Child Nutrition Flag	doesTradeItemCarryUSDAChildNutritionLabel(AVP) & nutritionLabelTypeCode (1)	M	
82	Ingredients English (& Spanish optional)	Ingredients	ingredientStatement	M	
83		Ingredient Sequence	ingredientSequence	R	
84		Ingredient Name	ingredientName	R	

Nutrition Continued:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
85		Fish Catch Zone	productActivityTypeCode(CATCH_ZONE)	R	
86		Antibiotic Free	additiveName & levelOfContainmentCode	R	
87		Contains Gelatin	additiveName & levelOfContainmentCode	R	
88		Corn Free	additiveName & levelOfContainmentCode	R	

Hazmat:

Attributes #	Common Name	Unique Field Name	Global Data Dictionary Tag	Minimum Required For Publication	Notes
1		Hazmat Class	classOfDangerousGoods	R	
2		Hazmat Chemical	dangerousGoodsTechnicalName	C	M if Hazmat Class Stated
3		Hazmat Emergency Phone Number		C	M if Hazmat Class Stated
4		Hazmat Image	uniformResourceIdentifier & typeOfInformation & fileFormatName & fileName & fileEffectiveStartDateTime	C	M if Hazmat Class Stated
5		Hazmat Manifest Code		C	M if Hazmat Class Stated
6		Hazmat Packing Group	dangerousGoodsPackingGroup	C	M if Hazmat Class Stated
7		Hazmat UN/NA Number	unitedNationsDangerousGoodsNumber	C	M if Hazmat Class Stated