



# Nicholas Foodservice GDSN Data Synchronization Implementation Guide Version 1.0 November 2018

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## **Overview**

Nicholas and Company implemented Global Data Synchronization Network (GDSN) to receive accurate, complete and timely product content from its supplier partners. Nicholas and Company requires suppliers to utilize GDSN as the method to send their product content.

This document is intended to assist suppliers in understanding the attribute requirement and steps to start synchronizing the product content with Nicholas and Company via the GDSN. Nicholas and Company requires suppliers to publish all the Foodservice GS1 GDSN Attributes as referenced in the link in section 3.3.

For synchronizing product content with Nicholas and Company via the GDSN, suppliers will need to subscribe to a GDSN certified data pool such as Attribytes.

## **Nicholas and Company Data Synchronization Information**

### **GDSN / Data Synchronization Contacts**

**Name:** Brock Philbrick

**Email:** [gdsn@nicholasandco.com](mailto:gdsn@nicholasandco.com)

**Data Pool Provider:** Attribytes ([gdsn@attribytes.com](mailto:gdsn@attribytes.com))

### **Nicholas and Company GLN Information**

Nicholas and Company Production GLN – 0022938000006

## **Implementation Overview**

1. Have your accurate item data loaded into your home data pool and ensure it is ready for publication
  - a. Contact your data pool for any education you might require completing this step
2. Understand Nicholas and Company Attribute Requirements
  - a. Nicholas and Company attribute requirements are provided within this document. Nicholas and Company Foodservice requires all GS1 foodservice attributes including supply chain, nutritional, image and allergens.
3. Initiate the GDSN trading partner relationship
  - a. Visit [www.attribytes.com/gs1subscription](http://www.attribytes.com/gs1subscription) to initiate



4. Items should be published to Nicholas and Company as described below:
  - a. Publish all products Nicholas and Company currently purchases from you
  - b. Publish all items that you sell to Foodservice sector and would like us to purchase in the future
5. Use the below guide to take further action after your publication

As Nicholas and Company receives each item, you will receive a CIC “ACCEPT” response. Once you receive this response, no further action for that item is needed on your part.

Later, as Nicholas and Company reviews and synchronizes your item, you will receive a CIC “REVIEW”, “SYNCHRONIZED”, or “REJECT” response as appropriate. If you should receive a “REVIEW” response, please respond to the associated message by correcting the specified data or contacting Nicholas and Company for clarification.

**Accept:**

Item information has been received by Nicholas and Company Data Pool and is ready for review, but no business decision has been made about that data.

**Review:**

Item information did not pass internal validations or audits. Please review the message that is contained within the CIC message, address the data discrepancies and republish the item.

**Synchronized:**

Item information has passed internal validations and audits. The item has been synchronized.

**Rejected:**

Nicholas and Company does not need to synchronize the item currently. This message status means that your GDSN Data Pool has been instructed not to deliver any more updates for this item to Nicholas and Company.

## **Additional Resources**

### **Product Image Specifications:**

Nicholas and Company follows the recommendations of the GS1 US Foodservice Initiative.

[GS1 US Foodservice GDSN Product Images Application Guideline](#)

### **Required Nicholas and Company Attributes List:**

| Legend  |  |                        |
|---|--|------------------------|
| <b>M = Subset of attributes required by Nicholas and Company to process your publication.</b> | <b>R = Additional attributes requested by Nicholas and Company</b> | <b>C = Conditional</b> |

**Core:**

| GDSN Common Name                       | Unique Field Name          | Global Data Dictionary Tag  | Minimum Required for publication | Notes                                       |
|--|----------------------------|---|----------------------------------|---|
| Company Name(Manufacturer)             | Manufacturer GLN           | partyRoleCode(MANUFACTURER_OF_GOODS) & gln  | <b>M</b>                         |   |
|  | Manufacturer               | partyRoleCode(MANUFACTURER_OF_GOODS) & partyName  | <b>M</b>                         |   |
| Company Name (Information Provider)    | Information Provider GLN   | partyRoleCode(INFORMATION_PROVIDER) & gln   | <b>M</b>                         |   |
|  | Information Provider       | partyRoleCode(INFORMATION_PROVIDER) & partyName   | <b>M</b>                         |   |
| Company Name (Brand Owner)             | Brand Name                 | partyRoleCode(BRAND_OWNER) & gln  | <b>M</b>                         |   |
|  | Brand Owner                | partyRoleCode(BRAND_OWNER) & partyName  | <b>M</b>                         |   |
| Manufacturer Product Number            | Product Code               | additionalTradeltemIdentificationType(SUPPLIER_ASSIGNED) & additionalTradeltemIdentificationValue | <b>M</b>                         |   |
| GTIN                                   | GTIN                       | GTIN  | <b>M</b>                         |   |
| Brand Name                             | Brand Name                 | brandName   | <b>M</b>                         |   |
| Brand Name                             | Sub Brand                  | subBrand  | <b>R</b>                         |   |
| Product Name                           | English Product Name Long  | tradeltemDescription  | <b>M</b>                         |   |
| Manufacturer Short Product Description | English Product Name Short | descriptionShort  | <b>R</b>                         |   |
| Quantity of Next Lower Package Level   | Unit Quantity              | totalQuantityOfNextLowerLevelTradeltem  | <b>C**</b>                       | Use this if Inner Pack has a GTIN           |
| Quantity of Next                       |                            | quantityOfNextLevelTradeltemWithinInnerPack   | <b>C**</b>                       | Use this if Inner Pack has a GTIN           |
| Quantity of Inner Packs                | Unit Quantity              | quantityOfInnerPack   | <b>C**</b>                       | Use this if Inner Pack does not have a GTIN |



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|                                  |                                  |                                      |     |   |
|----------------------------------|----------------------------------|--------------------------------------|-----|---|
| Individual Unit Measures         | Individual Unit Minimum          | individualUnitMinimumSize            | C** | Use this if Inner Pack does not have a GTIN |
|                                  | Individual Unit Maximum          | individualUnitMaximumSize            | C** | Use this if Inner Pack does not have a GTIN |
| Number of Next Lower Level GTINs | Number of Next Lower Level GTINs | quantityOfChildren                   | C** | How many inner packs within the case?       |
| Net Content with UoM             | Net Content                      | netContent & UOM                     | C** | if base unit = True/Yes                     |
| Pack Size Text                   | Purchasing Pack Size Description | shippingContainerQuantityDescription | M   |   |
| Unit Descriptor                  | Product Type                     | tradelItemUnitDescriptor             | M   | Each or Case                                |

|  |                            |   |   |         |
|--|----------------------------|---|---|---------|
| Net Weight with UoM                      | Net Weight                 | netWeight & UOM   | M |         |
| Gross Weight with UoM                    | Gross Weight               | grossWeight & UOM   | M |         |
| Height with UoM                          | Height                     | height & UOM  | M |         |
| Depth with UoM                           | Length                     | depth & UOM   | M |         |
| Width with UoM                           | Width                      | width & UOM   | M |         |
| Cube with UoM                            | Volume                     | inBoxCubeDimension & UOM  | M |         |
| Pallet Ti and Pallet Hi                  | Pallet High                | quantityOfLayersPerPallet   | M |         |
| Pallet Ti and Pallet Hi                  | Pallet Tie                 | quantityOfTradelItemsPerPalletLayer                                   | M |         |
| Shelf Life                               | Shelf Life from Production | minimumTradelItemLifespanFromTimeOfProduction                         | M | In Days |
| Storage Temperature Max and Min with UoM | Storage Temp From          | temperatureQualifierCode(STORAGE_HANDLING) & minimumTemperature & UOM | M |         |
|  | Storage Temp To            | temperatureQualifierCode(STORAGE_HANDLING) & maximumTemperature & UOM | R |         |
| Packaging Dates                          | Type of Date on Packaging  | tradelItemDateOnPackagingTypeCode                                     | R |         |
| Target Market                            | Target Market              | targetMarketCountryCode   | M |         |
| Country of Origin                        | Country Origin of Product  | tradelItemCountryOfOrigin   | M |         |
| Catch Weight                             | Catch/Random Weight        | isTradelItemAVariableUnit   | M |         |



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|   |                                  |  |   |   |
|---|----------------------------------|--|---|---|
| Kosher, Vegan, Halal, Gluten-free etc.      | Diet Type: COELIAC               | dietTypeCode(COELIAC)                                | R |   |
|   | Diet Type: DIETETIC              | dietTypeCode(DIETETIC)                               | R |   |
|   | Diet Type: FREE_FROM_GLU TEN     | dietTypeCode(FREE_FROM_GLU TEN)                      | R |   |
|   | Diet Type: HALAL                 | dietTypeCode(HALAL)                                  | R |   |
|   | Diet Type: KOSHER                | dietTypeCode(KOSHER)                                 | R |   |
|   | Diet Type Subcode for KOSHER     | dietTypeCode(KOSHER) & dietTypeSubcode               | C | Mandatory If Diet Type Code Kosher is present |
|   | Kosher Certification Agency      | certificationAgency for dietTypeCode(KOSHER)         | R |   |
|   | Kosher Certification id          | certificationIdentification for dietTypeCode(KOSHER) | R |   |
|   | Diet Type: VEGAN                 | dietTypeCode(VEGAN)                                  | R |   |
|   | Diet Type: VEGETARIAN            | dietTypeCode(VEGETARIAN)                             | R |   |
|   | Diet Type Subcode for VEGETARIAN | dietTypeCode(VEGETARIAN) & dietTypeSubcode           | R |   |
|   | Diet Type: WITHOUT_BEEF          | dietTypeCode(WITHOUT_BEEF)                           | R |   |
|   | Diet Type: WITHOUT_PO RK         | dietTypeCode(WITHOUT_PORK)                           | R |   |
| Growing Method                              | Organic                          | growingMethodCode(ORGANIC)                           | R |   |
| Organic                                     | Organic Claim Agency             | organicClaimAgency                                   | R |   |
| Organic                                     | Organic Trade Item Code          | organicTradeItemCode                                 | R |   |
| Functional Name                             | Functional Name                  | functionalName                                       | M |   |
| Global Product Classification (GPC)         | GPC Code                         | classificationCategoryCode                           | M |   |
| Is the Item marked with a Batch/Lot Number? | Marked with Batch Number         | hasBatchNumber                                       | R |   |
| Is Trade Item Consumer Unit?                | Is it a Consumer Unit            | isTradeItemAConsumerUnit                             | M |   |
| Is Trade Item Invoice Unit?                 | Is it a Invoice Unit             | isTradeItemAnInvoiceUnit                             | M |   |
| Is Trade Item Orderable?                    | Is trade Item Orderable          | isTradeItemAnOrderableUnit                           | M |   |

|  |                                   |                                   |          |  |
|--|-----------------------------------|-----------------------------------|----------|--|
| Is Packaging marked as Returnable?             | Is packaging marked as Returnable | isPackagingMarkedReturnable       | <b>M</b> |  |
| Is Item the Base Unit (Lowest Packaging Level) | Is it a Base Unit                 | isTradelItemABaseUnit             | <b>M</b> |  |
| Is Trade Item Shipping Unit?                   | Is trade item shipping unit       | isTradelItemADespatchUnit         | <b>M</b> |  |
| Is the Item marked as recyclable?              | Is it marked as recyclable        | isTradelItemMarkedAsRecyclable    | <b>R</b> |  |
| Are non-sold items returnable?                 | Are non-sold items returnable     | isNonSoldTradelItemReturnable     | <b>R</b> |  |
| Item Availability Date                         | Item Availability Date            | startAvailabilityDateTime         | <b>M</b> |  |
| Dangerous Goods                                | UN Dangerous Goods Number         | unitedNationsDangerousGoodsNumber | <b>R</b> |  |

**Marketing:**

| GDSN Common Name                          | Unique Field Name                   | Global Data Dictionary Tag      | Minimum Required for publication |
|---|-------------------------------------|---------------------------------|----------------------------------|
| Consumer Storage and Usage                | Consumer Storage Information        | consumerStorageInstructions     | <b>R</b>                         |
| Information                               | Consumer Usage Information          | consumerUsageInstructions       | <b>R</b>                         |
| Preparation & Cooking Instructions        | Preparation and Cooking Suggestions | preparationInstructions         | <b>R</b>                         |
| Preparation & Cooking Instructions        | Preparation Type                    | preparationTypeCode             | <b>R</b>                         |
| Benefits                                  | Benefits                            | tradelItemMarketingMessage      | <b>R</b>                         |
| Manufacturer Expanded Product Description | Marketing Description               | additionalTradelItemDescription | <b>R</b>                         |

|                                      |   |  |   |
|--------------------------------------|---|--|---|
| Serving Suggestions                  | Serving Suggestions                                   | servingsuggestion  | R |
| Growing Method                       | Cage Free   | growingMethodCode(CAGE_FREE)   | R |
|                                      | Free Range  | growingMethodCode(FREE_RANGE)  | R |
|                                      | Grass Fed   | growingMethodCode(GRASS_FED)   | R |
|                                      | Humanely Raised                                       | growingMethodCode(HUMANELY_RAISED)   | R |
| Packaging Marked Label Accreditation | Aquaculture Certification Council Certified           | packagingMarkedLabelAccreditationCode(BEST_AQUACULTURE_PRACTICES)                    | R |
|                                      | Fair Trade Certified                                  | packagingMarkedLabelAccreditationCode(FAIR_TRADE_MARK)                               | R |
|                                      | Packaging is marked with Green Dot                    | packagingMarkedLabelAccreditationCode(GREEN_DOT)                                     | R |
|                                      | Green Restaurant Association Endorsed                 | packagingMarkedLabelAccreditationCode(GREEN_RESTAURANT_ASSOCIATION_ENDORSED)         | R |
|                                      | Green Seal Certified                                  | packagingMarkedLabelAccreditationCode(GREEN_SEAL_CERTIFIED)                          | R |
|                                      | Marine Stewardship Council Certified                  | packagingMarkedLabelAccreditationCode(MARINE_STEWARDSHIP_COUNCIL_LABEL)              | R |
|                                      | Protected Harvest Certified                           | packagingMarkedLabelAccreditationCode(PROTECTED_HARVEST_CERTIFIED)                   | R |
|                                      | Rainforest Alliance Certified                         | packagingMarkedLabelAccreditationCode(RAINFOREST_ALLIANCE)                           | R |
|                                      | Is Trade Item packaging made from renewable resources | packagingRenewableContentTypeCode(RENEWABLE_CONTENT)                                 | R |
|                                      | Biodegradable   | sustainabilityFeatureCode(BIODEGRADABLE)   | R |
|                                      | Is Product Compostable                                | packagingRecyclingProcessType(COMPOSTABLE)   | R |
|                                      | Real California Milk                                  | certificationAgency(RealCaliforniaMilk) + certificationStandard + certificationValue | R |
|                                      | Real Seal (Dairy)                                     | certificationAgency(RealSeal) + certificationStandard + certificationValue           | R |
|                                      | Antibiotic Free                                       | additiveName & levelOfContainmentCode  | R |



|  |                             |   |   |
|--|-----------------------------|---|---|
|  | Contains Gelatin            | additiveName & levelOfContainmentCode   | R |
|  | Food Alliance Certified     | certificationAgency(FoodAllianceCertified) + certificationStandard + certificationValue | R |
|  | No Added Synthetic Hormones | additiveName & levelOfContainmentCode   | R |
|  | Genetically Modified        | geneticallyModifiedDeclarationCode  | R |

**Nutritional:**

| GDSN Common Name                     | Unique Field Name              | Global Data Dictionary Tag | Minimum Required for publication |
|--------------------------------------|--------------------------------|----------------------------|----------------------------------|
| Servings of the Trade Item Unit      | Number of Servings per Package | numberOfServingsPerPackage | M                                |
| Nutrient Label contents and measures | Preparation State              | preparationStateCode       | M                                |
| Nutrition Fact Serving Size & UOM    | Serving Size                   | servingSize & UOM          | M                                |
| Serving Size Text                    | Serving Size Description       | servingSizeDescription     | R                                |
| Nutrition Fact Serving Size Weight   | Serving Size Weight in Grams   | servingSizeWeight          | R                                |
| Ingredients English                  | Ingredients                    | ingredientStatement        | M                                |

|                       |                                 |   |   |
|-----------------------|---------------------------------|---|---|
| Child nutrition label | Child Nutrition Flag            | doesTradeItemCarryUSDAChildNutritionLabel(AVP) & nutritionLabelTypeCode (1) | R |
|                       | Child Nutrition Certification # | regulatoryPermitIdentification & regulatoryAct & regulatoryAgency           | R |



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|  |                                 |  |   |
|--|---------------------------------|--|---|
| Links to websites, Images, Documents, Video, Audio Files | Child Nutrition Label/URL       | uniformResourceIdentifier & typeOfInformation & fileFormatName & fileName & fileEffectiveStartDateTime | R |
| Nutrient Database Number                                 | USDA Nutrient Database #        | foodBeverageCompositionDatabaseCode(USDA) & foodBeverageCompositionCode                                | R |
| Nutrient Relevant Data Provided                          | Nutrient Relevant Data Provided | nutrientRelevantDataProvided(AVP)  | R |
| Nutrient Label contents and measures                     | Ash (mg)                        | nutrientTypeCode(ASH) & measurementPrecisionCode & quantityContained & UOM                             | R |
| Nutrient Label contents and measures                     | Biotin % RDI USA                | nutrientTypeCode(BIOT) & dailyValueIntakePercent   | R |
| Nutrient Label contents and measures                     | Calcium % RDI USA               | nutrientTypeCode(CA) & dailyValueIntakePercent   | M |
| Nutrient Label contents and measures                     | Calcium (mg)                    | nutrientTypeCode(CA) & measurementPrecisionCode & quantityContained & UOM                              | R |
| Nutrient Label contents and measures                     | Calories (Cal)                  | nutrientTypeCode(ENER-) & measurementPrecisionCode & quantityContained & UOM                           | M |
| Nutrient Label contents and measures                     | Calories from Fat (Cal)         | nutrientTypeCode(ENERPF) & measurementPrecisionCode & quantityContained & UOM                          | M |
| Nutrient Label contents and measures                     | Carbohydrates                   | nutrientTypeCode(CHO-) & measurementPrecisionCode & quantityContained &                                | M |



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|                                      |                           |   |   |
|--------------------------------------|---------------------------|---|---|
| Nutrient Label contents and measures | Carbohydrates % RDI USA   | nutrientTypeCode(CHO-) & dailyValueIntakePercent                              | M |
| Nutrient Label contents and measures | Cholesterol % RDI USA     | nutrientTypeCode(CHOL-) & dailyValueIntakePercent                             | M |
| Nutrient Label contents and measures | Cholesterol (mg)          | nutrientTypeCode(CHOL-) & measurementPrecisionCode & quantityContained & UOM  | M |
| Nutrient Label contents and measures | Copper % RDI USA          | nutrientTypeCode(CU) & dailyValueIntakePercent                                | R |
| Nutrient Label contents and measures | Folate (mcg)              | nutrientTypeCode(FOL-) & measurementPrecisionCode & quantityContained & UOM   | R |
| Nutrient Label contents and measures | Insoluble Fibre           | nutrientTypeCode(FIBINS) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Insoluble Fibre % RDI USA | nutrientTypeCode(FIBINS) & dailyValueIntakePercent                            | R |
| Nutrient Label contents and measures | Iodine % RDI USA          | nutrientTypeCode(ID) & dailyValueIntakePercent                                | R |
| Nutrient Label contents and measures | Iron % RDI USA            | nutrientTypeCode(FE) & dailyValueIntakePercent                                | M |
| Nutrient Label contents and measures | Iron (mg)                 | nutrientTypeCode(FE) & measurementPrecisionCode & quantityContained & UOM     | R |
| Nutrient Label contents and measures | Magnesium % RDI USA       | nutrientTypeCode(MG) & dailyValueIntakePercent                                | R |



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|                                      |                               |   |   |
|--------------------------------------|-------------------------------|---|---|
| Nutrient Label contents and measures | Monounsaturated Fat           | nutrientTypeCode(FAMS) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Monounsaturated Fat % RDI USA | nutrientTypeCode(FAMS) & dailyValueIntakePercent                            | R |

|                                      |                               |   |   |
|--------------------------------------|-------------------------------|---|---|
| Nutrient Label contents and measures | Niacin % RDI USA              | nutrientTypeCode(NIA) & dailyValueIntakePercent                               | R |
| Nutrient Label contents and measures | Omega 3 Acids                 | nutrientTypeCode(FAPUN3) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Omega 6 Acids                 | nutrientTypeCode(FAPUN6) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Other Carbohydrates           | nutrientTypeCode(CHOAVL) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Other Carbohydrates % RDI USA | nutrientTypeCode(CHOAVL) & dailyValueIntakePercent                            | R |
| Nutrient Label contents and measures | Pantothenic Acid              | nutrientTypeCode(PANTAC) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Phosphorous % RDI USA         | nutrientTypeCode(P) & dailyValueIntakePercent                                 | R |
| Nutrient Label contents and measures | Phosphorous (mg)              | nutrientTypeCode(P) & measurementPrecisionCode & quantityContained & UOM      | R |



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|                                      |                           |   |   |
|--------------------------------------|---------------------------|---|---|
| Nutrient Label contents and measures | Polyunsaturated % RDI USA | nutrientTypeCode(FAPU) & dailyValueIntakePercent                            | R |
| Nutrient Label contents and measures | Polyunsaturated Fat       | nutrientTypeCode(FAPU) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Potassium % RDI USA       | nutrientTypeCode(K) & dailyValueIntakePercent                               | R |
| Nutrient Label contents and measures | Potassium (mg)            | nutrientTypeCode(K) & measurementPrecisionCode & quantityContained & UOM    | R |

|                                      |                         |  |   |
|--------------------------------------|-------------------------|--|---|
| Nutrient Label contents and measures | Protein (mg)            | nutrientTypeCode(PRO-) & measurementPrecisionCode & quantityContained & UOM  | M |
| Nutrient Label contents and measures | Riboflavin % RDI USA    | nutrientTypeCode(RIBF) & dailyValueIntakePercent                             | R |
| Nutrient Label contents and measures | RiboflavinB2 (mg)       | nutrientTypeCode(RIBF) & measurementPrecisionCode & quantityContained & UOM  | R |
| Nutrient Label contents and measures | Saturated Fat           | nutrientTypeCode(FASAT) & measurementPrecisionCode & quantityContained & UOM | M |
| Nutrient Label contents and measures | Saturated Fat % RDI USA | nutrientTypeCode(FASAT) & dailyValueIntakePercent                            | M |
| Nutrient Label contents and measures | Sodium % RDI USA        | nutrientTypeCode(NA) & dailyValueIntakePercent                               | M |



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|                                      |                               |   |   |
|--------------------------------------|-------------------------------|---|---|
| Nutrient Label contents and measures | Sodium (mg)                   | nutrientTypeCode(NA) & measurementPrecisionCode & quantityContained & UOM     | M |
| Nutrient Label contents and measures | Soluble Fiber % RDI USA       | nutrientTypeCode(FIBSOL) & dailyValueIntakePercent                            | R |
| Nutrient Label contents and measures | Thiamin % RDI USA             | nutrientTypeCode(THIA) & dailyValueIntakePercent                              | R |
| Nutrient Label contents and measures | Total Dietary Fiber           | nutrientTypeCode(FIBTSW) & measurementPrecisionCode & quantityContained & UOM | M |
| Nutrient Label contents and measures | Total Dietary Fiber % RDI USA | nutrientTypeCode(FIBTSW) & dailyValueIntakePercent                            | M |
| Nutrient Label contents and measures | Total Fat                     | nutrientTypeCode(FAT) & measurementPrecisionCode & quantityContained & UOM    | M |
| Nutrient Label contents and measures | Total Fat % RDI USA           | nutrientTypeCode(FAT) & dailyValueIntakePercent                               | M |
| Nutrient Label contents and measures | Total Folate % RDI USA        | nutrientTypeCode(FOL-) & dailyValueIntakePercent                              | R |
| Nutrient Label contents and measures | Total Sugar                   | nutrientTypeCode(SUGAR-) & measurementPrecisionCode & quantityContained & UOM | M |
| Nutrient Label contents and measures | Transfatty Acids              | nutrientTypeCode(FATR) & measurementPrecisionCode & quantityContained & UOM   | M |
| Nutrient Label contents and measures | Vitamin A IU % RDI USA        | nutrientTypeCode(VITA-) & dailyValueIntakePercent                             | M |



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|                                      |                       |  |   |
|--------------------------------------|-----------------------|--|---|
| Nutrient Label contents and measures | Vitamin B12 % RDI USA | nutrientTypeCode(VITB12) & dailyValueIntakePercent                           | R |
| Nutrient Label contents and measures | Vitamin B6 % RDI USA  | nutrientTypeCode(VITB6-) & dailyValueIntakePercent                           | R |
| Nutrient Label contents and measures | Vitamin C % RDI USA   | nutrientTypeCode(VITC-) & dailyValueIntakePercent                            | M |
| Nutrient Label contents and measures | Vitamin C (mg)        | nutrientTypeCode(VITC-) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Vitamin D % RDI USA   | nutrientTypeCode(VITD-) & dailyValueIntakePercent                            | R |
| Nutrient Label contents and measures | Vitamin D (mcg)       | nutrientTypeCode(VITD-) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Vitamin E % RDI USA   | nutrientTypeCode(VITE-) & measurementPrecisionCode & quantityContained & UOM | R |
| Nutrient Label contents and measures | Vitamin K % RDI USA   | nutrientTypeCode(VITK) & measurementPrecisionCode & quantityContained & UOM  | R |

|                                      |                |   |   |
|--------------------------------------|----------------|---|---|
| Nutrient Label contents and measures | Zinc % RDI USA | nutrientTypeCode(ZN) & dailyValueIntakePercent                            | R |
| Nutrient Label contents and measures | Zinc (mg)      | nutrientTypeCode(ZN) & measurementPrecisionCode & quantityContained & UOM | R |
|                                      | Casein Free    | additiveName & levelOfContainmentCode                                     | R |



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|                                 |                                 |  |   |
|---------------------------------|---------------------------------|--|---|
|                                 | MSG Free                        | additiveName & levelOfContainmentCode          | R |
|                                 | Corn Free                       | allergenTypeCode (NM) & levelOfContainmentCode | R |
| Allergen Relevant Data Provided | Allergen Relevant Data Provided | allergenRelevantDataProvided                   | R |
| Allergens                       | Allergen Agency                 | allergenSpecificationAgency                    | C |
|                                 | Allergen Regulation Name        | allergenSpecificationName                      | C |
|                                 | Crustacean                      | allergenTypeCode (AC) & levelOfContainmentCode | C |
|                                 | Eggs                            | allergenTypeCode(AE) & levelOfContainmentCode  | C |
|                                 | Fish                            | allergenTypeCode(AF) & levelOfContainmentCode  | C |
|                                 | Milk                            | allergenTypeCode(AM) & levelOfContainmentCode  | C |
|                                 | Tree Nuts                       | allergenTypeCode(AN) & levelOfContainmentCode  | C |
|                                 | Wheat                           | allergenTypeCode(UW) & levelOfContainmentCode  | C |
|                                 | Soy                             | allergenTypeCode(AY) & levelOfContainmentCode  | C |
|                                 | Peanuts                         | allergenTypeCode(AP) & levelOfContainmentCode  | C |
|                                 | Sesame                          | allergenTypeCode(AS) & levelOfContainmentCode  | R |
|                                 | Sulphur Dioxide                 | allergenTypeCode(AU) & levelOfContainmentCode  | R |
|                                 | Celery                          | allergenTypeCode(BC) & levelOfContainmentCode  | R |
|                                 | Lupin                           | allergenTypeCode(NL) & levelOfContainmentCode  | R |
|                                 | Mollusks                        | allergenTypeCode(UM) & levelOfContainmentCode  | R |





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|  |         |   |   |
|--|---------|---|---|
|  | Mustard | allergenTypeCode(BM) & levelOfContainmentCode | R |
|--|---------|---|---|

| Drained Weight    | Drained Weight   | drainedWeight & UoM   | R |
|-------------------|------------------|---|---|
| Nutritional Claim | Cholesterol Free | nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(CHOLESTEROL)    | R |
|                   | Dairy Free       | nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(DAIRY)          | R |
|                   | Fat Free         | nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(FAT)            | R |
|                   | Lactose Free     | nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(LACTOSE)        | R |
|                   | Sodium Free      | nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(SODIUM_OR_SALT) | R |
|                   | Trans Fat Status | nutritionalClaimTypeCode(FREE_FROM) & nutritionalClaimNutrientElementCode(TRANS_FAT)      | R |
|                   | Low Calorie      | nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(CALORIE)              | R |
|                   | Low Cholesterol  | nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(CHOLESTEROL)          | R |
|                   | Low Fat          | nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(FAT)                  | R |
|                   | Low Sodium       | nutritionalClaimTypeCode(LOW) & nutritionalClaimNutrientElementCode(SODIUM_OR_SALT)       | R |



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|  |  |  |   |
|--|--|--|---|
|  | Can your product termed Natural or All Natural | nutritionalClaimTypeCode(NATURAL)  | R |
|  | No Sugar Added                                 | nutritionalClaimTypeCode(NO_ADDED) & nutritionalClaimNutrientElementCode(SUGARS)             | R |
|  | Reduced Fat                                    | nutritionalClaimTypeCode(REduced_LESS) & nutritionalClaimNutrientElementCode(FAT)            | R |
|  | Reduced Sodium                                 | nutritionalClaimTypeCode(REduced_LESS) & nutritionalClaimNutrientElementCode(SODIUM_OR_SALT) | R |