



Trax Retail Sales & Systems, Inc.

Data Synchronization Implementation Guide

Version 1.0



Data Synchronization Implementation Guide

REVISION HISTORY

Date	Ver #	Description of Change	Author
07-10-2017	1	Initial document	A. Dowdy



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1 TRAX RETAIL'S DATA SYNCHRONIZATION INFORMATION

1.1 Primary Data Synchronization Contact

Name: Justin Bedillion
Phone: 724-986- 4605
Email: Justinb@traxretail.com

1.2 Trax Retail Sales & Systems, Inc. GLN Information- Publish To

Production: **0862499000400**

1.3 Data Sync Environment

Data Pool: 1WorldSync



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STEPS TO BEGIN SYNCING YOUR DATA WITH TRAX RETAIL

Implementation Steps

1. Review the attribute requirements for GDSN in Section 3 of this document. For the complete listing of all GDSN and Trax Retail required attributes, refer to the Trax Retail Attribute Guide.
2. Complete the Trax Retail Trading Partner Form found on the Trax Retail Landing page. This will trigger the data sync process.
3. Have your complete and accurate item data loaded into your GDSN certified data pool and ensure it is ready for publication in Production.
4. Trax Retail will create a subscription based on Information Provider GLN.
5. Trax Retail will send email to the supplier's primary data synchronization contact when they are ready for the first publications.

Publication Steps

6. Trax Retail Sales & Systems, Inc. requires their Suppliers to publish all products that the Supplier would like to make available to Trax Retail GLN **0862499000400** in Production. Items to include:
 - a. Items Trax Retail Sales & Systems, Inc. members currently lists
 - b. Items that Supplier would like Trax Retail Sales & Systems, Inc. to list in the future.
7. For the first publication Suppliers are to publish all products as "Initial Load".
8. Trax Retail will provide feedback on publications using "Received" CIC responses. If there are any issues with the data you will be contacted via email to address the issue.



2 ATTRIBUTE REQUIREMENTS

Key		
M	Mandatory	Minimum subset of attributes that are required in order to pass all audits
C	Conditional	Conditional
R	Requested	Additional attributes requested by Trax Retail

GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
brandName	The recognizable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer.	M	
GTIN	The Global Trade Item Number is the standard 14-digit number used to identify all trade items in 1WorldSync Item Management.	M	14-Digit GTIN number
dataCarrier/dataCarrierTypeCode	A code indicating the type of data carrier physically present on the trade item.	C	Becomes mandatory if consumer unit and TM=US
gs1TradeItemIdentificationKeyCode	Alternative means to the Global Trade Item Number to identify a trade item.	R	If TM = US: If Consumer Unit Indicator is equal to 'true' and the Target Market is equal to US (United States) then Data Carrier Type Code must not be empty
gs1TradeItemIdentificationKeyValue	A value for the alternative means to the Global Trade Item Number to identify a trade item.	R	
tradeItemUnitDescriptor	Describes the hierarchical level of the trade item.	M	
BrandOwnerName	Name of the party who owns the brand of the trade item.	M	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
brandOwnerGLN	The Global Location Number used to identify the organization that owns the brand.	M	
manufacturer/name	The name of the manufacturer of this trade item.	C	
manufacturer/gln	The Global Location Number used to identify the organization that manufactures this trade item.	C	
informationProviderOfTradeItem	Populate this field with the GLN of the entity responsible for the validity of the item information entered into 1WorldSync Item Management. The original manufacturer, importer, distributor, retailer, or designated agent. IP Name will default in the GUI as a result of the GLN provided.	M	
nameOfInformationProvider	Name of the party who provides the trade item information to 1WorldSync Item Management.	M	
alternateItemIdentification/agency	A trade item identifier, usually associated with a specific business need, that is in addition to the GTIN, for example, a buyer's or seller's item number	C	
alternateItemIdentification/id	A trade item identifier, usually associated with a specific business need, that is in addition to the GTIN, for example, a buyer's or seller's item number	C	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
descriptionShort	A short textual description associated with the product. This description can be used on the cash register receipt. This is the first line of the description.	C	This description can be used on the cash register receipt. This is the first line of the description.
tradeItemDescription	An understandable and useable description of a trade item using brand and other descriptors. Allows for the representation of the same value in different languages but not for multiple values.	M	
functionalName	Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN. Allows for the representation of the same value in different languages but not for multiple values.	M	Should help clarify the product classification associated with the GTIN.
classificationCategoryCode	Code specifying the type of the Global Product Classification (GPC) attribute, for example 20000081 - Grape Variety.	M	
temperatureQualifierCode minimumTemperature/uom	Code qualifying the type of a temperature requirement for example Storage. The minimum temperature that a trade item can be held below defined by the manufacturer without affecting product safety or quality.	R	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
temperatureQualifierCode maximumTemperature/uom	Code qualifying the type of a temperature requirement for example Storage. The maximum temperature that a trade item can be held below defined by the manufacturer without affecting product safety or quality.	R	
minimumTradeItemLifespanFromTimeOfProduction	The period of day, guaranteed by the manufacturer, before the expiration date of the product, based on the production.	R	
minimumTradeItemLifespanFromTimeOfArrival	The period of days, guaranteed by the manufacturer, before the expiration date of the trade item, based on arrival to a mutually agreed to point in the buyer's distribution system.	R	
grossWeight	The gross weight includes all packaging materials of the trade item. At pallet level the trade item, grossWeight includes the weight of the pallet itself.	M	If attribute isTradeItemAService = "No" then the Gross Weight field becomes required
grossWeight	Used to identify the gross weight of the trade item. The gross weight includes all packaging materials of the trade item. At pallet level the trade item, grossWeight includes the weight of the pallet itself.	C	This UOM attribute becomes required when grossWeight is populated.
netWeight	Used to identify the net weight of the trade item. Net weight excludes any packaging materials and applies to all levels but consumer unit level.	C	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
netWeight/uom	Used to identify the net weight of the trade item. Net weight excludes any packaging materials and applies to all levels but consumer unit level.	C	
netContent	Only required for the consumer unit or the EACH. The amount of the trade item contained by a package, usually as claimed on the label.	C	Only required for the consumer unit or the EACH.
netContent/uom	Only required for the consumer unit or the EACH. The amount of the trade item contained by a package, usually as claimed on the label. Example: Mineral Water 750ml - net content = 750 ML; 20 count pack of diapers, net content = 20 1N (Count); (GUI) or 'true' (Batch)	C	This UOM attribute becomes required when netContent is populated.
isTradeItemAVariableUnit	Yes indicates that an article is not a fixed weight, but that the weight is variable. Example: poultry, fresh fruit and bulk items.	C	Example: poultry, fresh fruit and bulk items.
Height	Measurement, vertical dimensions of the item	M	
height/uom	The height of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.	M	
Width	Measurement, left to right of the item	M	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
width/uom	The width of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.	M	
Depth	Measurement, front to back of the item	M	
depth/uom	The depth of the unit load, as measured according to the GS1 Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen.	M	
Volume	The dimensions of an imaginary cube which can be drawn around the trade item as defined in the formula of H X W X D	M	Mandatory on the case level and a CIC will be returned if it is missing or if a provided value is more than 12% out of tolerance with the calculated volume (from the dimensions)
tradeItemMeasurements/volume/uom	The dimensions of an imaginary cube which can be drawn around the trade item as defined in the formula of H X W X D. This only applies to In-box dimensions. Level of Hierarchy applied to- All.	C	
quantityOfCompleteLayersContainedInATradeItem	The number of layers that a pallet contains. Only used if pallet has no GTIN. In this case it applies to the highest level of the item hierarchy and only 1 pallet configuration can be provided. It is highly recommended to use GTIN for pallet identification.	C	Represents Pallet level hierarchy. Required if a PL or MX GTIN.



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
quantityOfTradeItemsContainedInACompleteLayer	Indicates the number of trade items in a layer.	C	Represents Pallet level hierarchy. Required if a pallet GTIN.
quantityOfTradeItemsPerPalletLayer	The number of trade items contained on a single layer of a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet layer according to supplier or retailer preferences.	C	Represents highest level of hierarchy if no pallet present. Required if a pallet level GTIN is not published.
quantityOfLayersPerPallet	The number of layers that a pallet contains. Only used if pallet has no GTIN. In this case it applies to the highest level of the item hierarchy and only 1 pallet configuration can be provided. It is highly recommended to use GTIN for pallet identification.	C	Represents highest level of hierarchy if no pallet present. Required if a pallet level GTIN is not published.
quantityOfTradeItemsPerPallet	The number of trade items contained in a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet according to supplier or retailer preferences.	R	
targetMarketCountryCode	The target market indicates the country where the trade item is available for sale. Combination of this field +GTIN+GLN uniquely identifies a trade item. Default is US.	M	
startAvailabilityDateTime	The date from which the trade item becomes available from the supplier, including seasonal or temporary trade items and services.	M	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
effectiveDate	The date on which the information for "item add" or "item change" is sent to 1WorldSync Item Management.	M	
dietTypeCode(KOSHER)	Code indicating the diet for, which the product is suitable.	C	ALL Kosher items should be designated using attribute dietTypeCode with a valid value of KOSHER
dietTypeCode(HALAL)	Code indicating the diet for, which the product is suitable.	C	
dietTypeCode(ORGANIC)	Code indicating the diet for, which the product is suitable.	C	
dietTypeCode(VEGAN)	Code indicating the diet for, which the product is suitable.	C	
certificationAgency	Name of the organization issuing the certification standard or other requirement being met. Free text field. Example: European Union.	C	
shippingContainerQuantityDescription	The quantity of the contents of the shipping container as described on the outside of the shipping container, for example 100 .5 oz envelopes	C	
hasBatchNumber	Indication whether the base trade item is batch or lot number requested by law, not batch or lot number requested by law but batch or lot number allocated, or not batch or lot number allocated.	C	
parentGTIN	Unique product identification number (GTIN) for a parent item with lower-level trade items (children) in a product hierarchy.	C	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
childGTIN	Unique product identification number (GTIN) for a child item with a higher-level trade item (parent) in a product hierarchy. This item may repeat in the case of a combination pack (multiple GTINs in lower level).	C	
totalQuantityOfNextLowerLevelTradeItem	The TOTAL number of next lower level trade items that this trade item contains. For example, if there were 12 Each items contained in a Case item, the Qty of Next Level Item(s) on the Case would be 12.	C	Use this for Unit Quantity if Lower Level Packaging exists and has GTIN
quantityOfInnerPack	Indicates the number of non-GTIN assigned inner-packs of next lower level trade items within the current GTIN level.	C	Use this for Unit Quantity if Lower Level Packaging exists with no GTIN
quantityOfNextLevelTradeItemWithinInnerPack	Indicates the number of next lower level trade items contained within the physical non-GTIN assigned each or inner-packs (inner-pack).	C	Should be for unmarked inners; dup in 1WS attribute name
individualUnitMinimum	Minimum size of the individual unit inside the lowest level of packaging.	R	
individualUnitMaximum	Maximum size of the individual unit inside the lowest level of packaging.	R	
tradeItemCountryOfOrigin	The country code (codes) in which the goods have been produced or manufactured, according to criteria established for the purposes of application of the value may or may not be presented on the trade item label.	M	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
isTradeItemAConsumerUnit	Yes indicates this packaging level is the trade item intended for ultimate consumption. For retail, this trade item will be scanned at point of sale. At retail, this data is commonly used to select which GTINs should be used for shelf planning and for front end POS databases.	M	The end user could be, but is not limited to, a consumer as in items sold at retail, or an operator for foodservice such as restaurants, airlines, cafeterias, etc.
isTradeItemADespatchUnit	Yes indicates that this packaging level is the trade item identified as the shipping unit.	M	This may be relationship dependent based on channel of trade or other point to point agreement.
sTradeItemAnInvoiceUnit	Yes indicates this packaging level is the trade item included in the supplier's billing or invoice.	M	
isTradeItemABaseUnit	Yes indicates this packaging level is the trade item that is at the lowest level in the item hierarchy.	M	This level cannot have any lower levels.
isTradeItemAnOrderableUnit	Yes indicates that this trade item is the packaging level where the supplier will accept orders from retailer customers. This may be different from what the information provider identifies as a dispatch unit.	M	This may be different from what the information provider identifies as a dispatch unit.



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
isNonSoldTradeItemReturnable	Indicates that the buyer can return the articles that are not sold. Used, for example; with magazines and bread. This is a y/n (Boolean) where y equals right of return. This is at least relevant to General Merchandise, Publishing industries and for some FMCG trade item.	C	
IsPackagingMarkedReturnable	Indicates whether the packaging has markings to indicate returnable packaging (for example, a refund of aluminum cans returned to the point of purchase). Select Yes if the package markings indicate the packaging can be returned.	C	Select 'Yes' if the package markings indicate the packaging can be returned.
packagingMaterialTypeCode	The materials used for the packaging of the trade item for example glass or plastic.	R	
packagingInformation/platform TypeCode	Indicates whether the described dispatch unit is delivered on a pallet/platform and on which type of platform. If the dispatch unit is delivered on a platform, the platform type must be given here. The range of the platform types/codes is listed in code sets.	C	If the dispatch unit is delivered on a platform, the platform type must be given here



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
discontinuedDateTime/cancelledDateTime	The date on which the trade item is no longer to be manufactured. Allows the reuse of the GTIN after 48 months with the explicit exception of Apparel, being 30 months and the implicit exception for specialty products (e.g., steel beams). Communicates cancellation of the launch of a trade item that was never and will never be manufactured, but may have been presented to buyers. Allows the reuse of the GTIN 12 months after cancellation.	C	Provide if applicable
isTradeItemAService	An indicator that the trade item is a service and not a physical item for example a receipt that can be used for upgrading a pre-paid phone balance, an entrance ticket to an amusement park, sporting event, theatre, service maintenance, installation service, repairs.	R	
distributionMethodCode		R	
isBarcodeDerivable	A Boolean field determining that the data structure on the trade item can be derived from the GTIN.	R	
consumerStorageInstructions	Expresses in text the consumer storage instructions of a product which are normally held on the label or accompanying the product.	R	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
isPrivate	The indicator to qualify whether master data is publicly available to any inquirer or is restricted to a specific private user.	C	
isPriceOnPack	Indication of whether there is a retail price physically on or attached to the trade item packaging of the trade item by the manufacturer or information provider.	C	
subBrand	Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer.	C	Provide is applicable
totalUnitsPerCase	This attribute provides a vehicle for communicating the total subunits contained within a case.	C	
tradeItemDateOnPackagingTypeCode	Indicates the type of date marked on the packaging	C	
isDistributionMethodPrimary	Indicates if the delivery method for the trade item is the primary one.	C	
variantDescription	Identifies the variant of the product. Variants are the distinguishing characteristics that differentiate products with the same brand and size including such things as the particular flavor, fragrance, taste.	C	
additionalTradeItemClassificationCodeValue	The code used to classify the trade item within the selected alternate classification scheme.	C	
additionalTradeItemClassificationCodeDescription	This is the system-generated description of the alternate classification code selected.	C	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
additionalTradeItemClassificationSystemCode	Use this field to select the additional external classification agency (e.g., UDEX) whose standard codes can be used to categorize a product.	C	
consumerStorageInstructions	Expresses in text the consumer usage instructions of a product which are normally held on the label or accompanying the product. This information may or may not be labeled on the pack. Instructions may refer to a the how the consumer is to use the product, This does not include storage, food preparations, and drug dosage and preparation instructions.	R	
tradeItemMarketingMessage	Marketing message associated to the Trade item.	R	
additionalTradeItemDescription	Additional variants necessary to communicate to the industry to help define the product. Multiple variants can be established for each GTIN. This is a repeatable field, e.g. Style, Color, and Fragrance.	C	
preparationType	A code specifying the technique used to make the product ready for consumption. For example: baking, boiling.	C	M if Preparation and Cooking Suggestions is populated
productYield	Product quantity after preparation.	C	
productYieldTypeCode	Code indicating the type of yield measurement.	C	
servingSuggestion	Free text field for serving suggestion.	R	



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
tradeItemContactInformation/contactTypeCode	The general category of the contact party for a trade item for example Purchasing.	R	
targetMarketCommunicationChannel/communicationChannel/communicationChannelCode	Means used to communicate with another party.	R	
targetMarketCommunicationChannel/communicationChannel/communicationValue	Number assigned to a specific means of communication.	R	
numberOfServingsPerPackage	The total number of servings contained in the package.	C	Mandatory if Food Product
isTradeItemMarkedAsRecyclable	Trade item has a recyclable indication marked on it. This may be a symbol from one of many regional agencies.	R	
couponFamilyCode	This code is printed in bar code form on manufacturer coupons. The code is associated with a single base or consumer unit or a "family" of consumer units. It is scanned on retailer POS systems to facilitate credit for valid consumer purchases.	C	



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Allergens:

A trade item must specify the following GDSN attributes for each of the "Big 8" allergens for at least one level within the item hierarchy: allergenTypeCode & levelOfContainment *The "Big 8" allergens include: Peanuts, Tree Nuts, Eggs, Milk, Fish, Molluscs or Crustacean, Soy, and Wheat. If a claim is not made for all eight allergens, the allergenRelevantDataProvided attribute must be published.

GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
allergenRelevantDataProvided	Allergen Information is populated for those values which are relevant or required to be populated on the product label or label equivalent. All values not populated are not relevant or not required to be populated on the product label by local regulations.	R	If provided value is Yes product passes Allergens audit
allergenSpecificationAgency	Agency that controls the allergen definition.	R	
allergenSpecificationName	Free text field containing the name and version of the regulation or standard that contains the definition of the allergen.	R	
allergenTypeCode (AC) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Crustacean
allergenTypeCode(AE) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Eggs
allergenTypeCode(AF) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Fish
allergenTypeCode(AM) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Milk



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
allergenTypeCode(AS) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Sesame
allergenTypeCode(AN) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Tree Nuts
allergenTypeCode(UW) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Wheat
allergenTypeCode(AY) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Soy
allergenTypeCode(AP) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Peanuts
allergenTypeCode (AU) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Sulphites
allergenTypeCode(NM) & levelOfContainment	Code indicating the type of allergen. Code indicating the level of presence of the allergen.	R	Corn

Nutrient Type Code:

**All Nutrient Type Codes are from the list of the INFOODS food component tag names (<http://www.fao.org/infoods/infoods/standards-guidelines/food-component-identifiers-tagnames/en/>) identifying nutrients contained in the product. The percentage of the recommended daily intake of a nutrient as recommended by authorities of the target market.

GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
servingSize	Measurement Value specifying the serving size in which the information per nutrient has been stated. Example: Per 100 grams.	M	
servingSizeDescription	A free text field specifying the serving size for which the nutrient information has been stated for example: per 1/3 cup (42 g).	M	
preparationState	Code specifying whether the nutrient information applies to the prepared or unprepared state of the product.	C	M if any Nutrients Stated
preparationInstructions	Textual instruction on how to prepare the product before serving.	C	
nutrientBasisQuantityTypeCode	The type of quantity contained for example measurement, serving size, or container.	C	
Nutrient Type Code(BIOT) & Measurement Precision & Nutrient Quantity Contained/uom	Is expressed relative to the serving size and base daily value intake.	R	Biotin
Nutrient Type Code(BIOT) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Biotin



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Nutrient Type Code(CA) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Calcium
Nutrient Type Code(CA) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Calcium
Nutrient Type Code(ENER-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Calories
Nutrient Type Code(ENERPF) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Calories from Fat

GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(CHO-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Carbohydrates
Nutrient Type Code(CHO-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Carbohydrates



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(CHOAVL) Measurement Precision & Nutrient Quantity Contained/uom	Is expressed relative to the serving size and base daily value intake.	R	Other Carbohydrates
Nutrient Type Code(CHOAVL) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Other Carbohydrates
Nutrient Type Code(CLD) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Chloride
Nutrient Type Code(CLD) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Chloride
Nutrient Type Code(CHOL-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Cholesterol
Nutrient Type Code(CHOL-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Cholesterol
GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(CR) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Chromium



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(CR) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Chromium
Nutrient Type Code(CU) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Copper
Nutrient Type Code(CU) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Copper
Nutrient Type Code(FOL-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Folate
Nutrient Type Code(FOL-) & Percentage Of Daily Value Intake	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Folate
GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(FIBINS) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Insoluble Fiber
Nutrient Type Code(FIBINS) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Insoluble Fiber
Nutrient Type Code(FE) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Iron
Nutrient Type Code(FE) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Iron
Nutrient Type Code(MG) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Magnesium
Nutrient Type Code(MG) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Magnesium



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(MN) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Manganese
Nutrient Type Code(MN) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Manganese
Nutrient Type Code(MO) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Molybdenum
Nutrient Type Code(MO) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Molybdenum
Nutrient Type Code(FAMS) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Monounsaturated Fat
Nutrient Type Code(FAMS) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Monounsaturated Fat



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(NIA) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Niacin
Nutrient Type Code(NIA) & Percentage Of Daily Value Intake	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Niacin
Nutrient Type Code(PANTAC) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Pantothenic
Nutrient Type Code(PANTAC) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Pantothenic
Nutrient Type Code(P) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Phosphorous
Nutrient Type Code(P) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Phosphorous



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(FAPU) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Polyunsaturated Fat
Nutrient Type Code(FAPU) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Polyunsaturated Fat
Nutrient Type Code(K) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Potassium
Nutrient Type Code(K) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Potassium
Nutrient Type Code(PRO-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Protein
Nutrient Type Code(PRO-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Protein
Nutrient Type Code(RIBF) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	RiboflavinB2



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(RIBF) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	RiboflavinB2
Nutrient Type Code(FASAT) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Saturated Fat
Nutrient Type Code(FASAT) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Saturated Fat
Nutrient Type Code(SE) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Selenium
Nutrient Type Code(SE) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Selenium
Nutrient Type Code(NA) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Sodium



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(NA) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Sodium
Nutrient Type Code(FIBSOL) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Soluble Fiber
Nutrient Type Code(FIBSOL) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Soluble Fiber
Nutrient Type Code(THIA) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Thiamin
Nutrient Type Code(THIA) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Thiamin
Nutrient Type Code(FIBTSW) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Total Dietary Fiber



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(FIBTSW) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Total Dietary Fiber
Nutrient Type Code(FAT) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Total Fat
Nutrient Type Code(FAT) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Total Fat
Nutrient Type Code(FOL-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Total Folate
Nutrient Type Code(SUGAR-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Total Sugar
Nutrient Type Code(SUGAR-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Total Sugar
Nutrient Type Code(FATRN) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Trans fatty Acids
Nutrient Type Code(VITA-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	C	Vitamin A



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(VITA-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	C	Vitamin A
Nutrient Type Code(VITB12) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Vitamin B12
Nutrient Type Code(VITB12) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Vitamin B12
Nutrient Type Code(VITB6-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Vitamin B6
Nutrient Type Code(VITB6-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Vitamin B6
Nutrient Type Code(VITC-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	C	Vitamin C



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(VITC-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	C	Vitamin C
Nutrient Type Code(VITD-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	M	Vitamin D
Nutrient Type Code(VITD-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	M	Vitamin D
Nutrient Type Code(VITE-) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Vitamin E
Nutrient Type Code(VITE-) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Vitamin E
Nutrient Type Code(VITK) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Vitamin K



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GDSN Attribute Name	Attribute Definition	Attribute Type	Additional Comments
Nutrient Type Code(VITK) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Vitamin K
Nutrient Type Code(ZN) & Percentage Of Daily Value Intake	Is expressed relative to the serving size and base daily value intake.	R	Zinc
Nutrient Type Code(ZN) & Measurement Precision & Nutrient Quantity Contained/uom	Code indicating whether the specified nutrient content is exact or approximate. Measurement Value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size.	R	Zinc
nutritionalClaimTypeCode/nutritionalClaimNutrientElementCode	A code depicting the degree to which a trade item contains a specific nutrient or ingredient in relation to a health claim	R	Ex. nutritionalClaimDetail/ = FREE_FROM & nutritionalClaimDetail/nutritionalClaimNutrientElementCode = GLUTEN, only if isTradeItemGlutenFree=Yes.
nutrientRelevantDataProvided	Nutrient Information is populated for those values which are relevant or required to be populated on the product label or label equivalent. All values not populated are not relevant or not required to be populated on the product label by local regulations.	R	If provided value is Yes product passes Nutrients audit

3.1 TRAX RETAIL REQUESTED ATTRIBUTES

All attributes can also be found in the Trax Retail Attribute Guide.