



UNIVERSITY OF
MARYLAND

Version 1.4

Submitting Data to the USDA Global Branded Food Products Database

Next Steps for Ensuring Your Product Data are Represented in a Global Ingredient and Nutrition Composition Database

The USDA Global Branded Food Products Database (GBFPD) leverages mechanisms the food industry is already using to share information. Brand owners can control the information that goes into the database and provide automatic updates through the GS1 Global Data Synchronization Network™ (GS1 GDSN®).

Submitting Data via GS1 GDSN

Brands and retailers can use any data pool provider (e.g., 1WorldSync, by Syndigo; iTrade Network; Salsify, etc.) to submit their product data to the USDA GBFPD through GS1 GDSN.

Why Participate

Brand Visibility: Your products become discoverable through the USDA's FoodData Central platform—used by researchers, policymakers, and consumers around the world.

Data Integrity: Updates flow automatically from your data pool to the GBFPD, ensuring accuracy and alignment with your product labels.

Operational Efficiency: Seamless integration with GS1 GDSN reduces redundant data management and manual updates.

Trust & Transparency: Participation provides an opportunity to share accurate quality nutrient composition and ingredient data within a globally trusted resource.

Required Information

- Global Trade Item Number® (GTIN®)/UPC or EAN® barcode
- Brand owner
- Product description
- Nutrients, as required on the Nutrition Facts Panel
- Ingredient list
- Serving size
- Market country

Optional Information

- Package size
- Nutrient content per 100 g/100 mL
- Nutrients not required on the Nutrition Facts Panel
- Caffeine content (if applicable)
- Live microbes data (if applicable)
- "Not a significant source of" statement
- Trade channel
- 100 g analytical data

Steps to Submit Information via GS1 GDSN

1. Pick/identify your [data pool provider](#)
2. Review the [USDA GBFPD Implementation Guide](#) to identify required and optional information
3. Work with data pool to submit product data to the GBFPD Global Location Number (GLN):
0861583000302

Resources and Contact Information

- [USDA GBFPD Implementation Guide](#)
- Contact: [Community.1WorldSync.com](#)

FAQ

Find answers to common questions below. If you have questions that aren't addressed below, please send them to IAFNS at science@iafns.org or [fill out the FoodData Central contact form](#).

Who uses the USDA Global Branded Food Products Database, and how is it beneficial?

Various sectors of the research community, the public health community, the food industry, policy officials, and consumers find this database valuable. Data in the GBFPD are used by the public and private sectors to:

- Assess ingredient use within product categories
- Establish links between diet and chronic disease
- Inform dietary tracking software and apps
- Support federal programs and surveys used to inform food and nutrition assistance policy
- Enhance the National Health and Nutrition Examination Survey (NHANES) by more accurately characterizing food selection and nutrient intakes for Americans

Once I submit data, how do I make changes if a product is reformulated, discontinued, etc.?

Data providers can update their data via their data pool (e.g., 1WorldSync, by Syndigo) at any time. Once a month, the USDA GBFPD is updated to reflect the most recent data submissions from the data partners.

How many products are represented in the USDA GBFPD?

The database contains over 450,000 branded and private label food and beverage products. It includes both national and regional brands across 238 food categories. This coverage is unprecedented for a noncommercial food composition database that is available for general and research purposes at no charge to the user.

Ready To Get Started?

Connecting your data is quick, reliable, and efficient.

[Learn more or start your data submission](#)

How do I check if my product data are in the USDA GBFPD?

Data in the USDA GBFPD are accessed via FoodData Central. From the [FoodData Central search page](#), you can query by brand owner, product description, or brand name.

What data quality measures are in place in the USDA GBFPD?

Several measures are implemented by the data partners to ensure data submitted to the USDA GBFPD are complete, consistent, and standardized. These measures include "hard" and "soft" data-entry validations, profiling and flagging of outliers, and random sampling for data accuracy. Read more about data quality measures in the USDA GBFPD in the [FoodData Central GBFPD documentation](#).

Why should my company submit data to the USDA GBFPD?

Contributing your branded and private label food data provides an opportunity to drive accessible and accurate nutrient composition and ingredient information, utilizing the same type of information that appears on the product label. It allows your products to be represented in a publicly accessible, USDA-managed database relied on by nutrition professionals, researchers, and policy experts—while maintaining data control and accuracy through GS1 GDSN integration.

About the USDA Global Branded Food Products Database

The USDA GBFPD is the result of a public-private partnership whose goal is to enhance public health and the open sharing of food composition data. The partnership includes: USDA, Agricultural Research Service (ARS); the Institute for the Advancement of Food and Nutrition Sciences (IAFNS); GS1 US®; 1WorldSync, by Syndigo; and the University of Maryland. The USDA GBFPD is searchable and downloadable online at fdc.nal.usda.gov.