

This file describes the fields from the CSV export of the products in the Open Food Facts database.

See <https://world.openfoodfacts.org/data> for more information.

The file encoding is Unicode UTF-8. The character that separates fields is <tab> (tabulation).

#### Generalities:

- fields that end with `_t` are dates in the UNIX timestamp format (number of seconds since Jan 1st 1970)
- fields that end with `_datetime` are dates in the iso8601 format: `yyyy-mm-ddThh:mn:ssZ`
- fields that end with `_tags` are comma separated list of tags (e.g. `categories_tags` is the set of normalized tags computer from the `categories` field)
- fields that end with a language 2 letter code (e.g. `fr` for French) is the set of tags in that language
- fields that end with `_100g` correspond to the amount of a nutriment (in g, or kJ for energy) for 100 g or 100 ml of product
- fields that end with `_serving` correspond to the amount of a nutriment (in g, or kJ for energy) for 1 serving of the product

#### List of fields:

##### # general information:

`code` : barcode of the product (can be EAN-13 or internal codes for some food stores), for products without a barcode, Open Food Facts assigns a number starting with the 200 reserved prefix  
`url` : url of the product page on Open Food Facts  
`creator` : contributor who first added the product  
`created_t` : date that the product was added (UNIX timestamp format)  
`created_datetime` : date that the product was added (iso8601 format: `yyyy-mm-ddThh:mn:ssZ`)  
`last_modified_t` : date that the product page was last modified  
`last_modified_datetime`  
`product_name` : name of the product  
`generic_name`  
`quantity` : quantity and unit

##### # tags:

`packaging` : shape, material  
`packaging_tags`  
`brands`  
`brands_tags`  
`categories`  
`categories_tags`  
`categories_fr`  
`origins` : origins of ingredients  
`origins_tags`  
`manufacturing_places` : places where manufactured or transformed  
`manufacturing_places_tags`  
`labels`  
`labels_tags`  
`labels_fr`  
`emb_codes`  
`emb_codes_tags`  
`first_packaging_code_geo` : coordinates corresponding to the first packaging code indicated  
`cities`  
`cities_tags`  
`purchase_places`  
`stores`  
`countries` : list of countries where the product is sold  
`countries_tags`  
`countries_fr`

##### # ingredients:

ingredients\_text

traces

traces\_tags

# misc. data:

serving\_size : serving size in g

no\_nutriments : indicates if the nutrition facts are indicated on the food label

additives\_n : number of food additives

additives

additives\_tags

ingredients\_from\_palm\_oil\_n

ingredients\_from\_palm\_oil

ingredients\_from\_palm\_oil\_tags

ingredients\_that\_may\_be\_from\_palm\_oil\_n

ingredients\_that\_may\_be\_from\_palm\_oil

ingredients\_that\_may\_be\_from\_palm\_oil\_tags

nutrition\_grade\_fr : nutrition grade ('a' to 'e'). see

<https://fr.openfoodfacts.org/nutriscore>

main\_category

main\_category\_fr

image\_url

image\_small\_url

# nutrition facts:

energy\_100g

energy-kj\_100g

energy-kcal\_100g

proteins\_100g

casein\_100g

serum-proteins\_100g

nucleotides\_100g

carbohydrates\_100g

sugars\_100g

sucrose\_100g

glucose\_100g

fructose\_100g

lactose\_100g

maltose\_100g

maltodextrins\_100g

starch\_100g

polyols\_100g

fat\_100g

saturated-fat\_100g

butyric-acid\_100g

caproic-acid\_100g

caprylic-acid\_100g

capric-acid\_100g

lauric-acid\_100g

myristic-acid\_100g

palmitic-acid\_100g

stearic-acid\_100g

arachidic-acid\_100g

behenic-acid\_100g

lignoceric-acid\_100g

cerotic-acid\_100g

montanic-acid\_100g

melissic-acid\_100g

monounsaturated-fat\_100g

polyunsaturated-fat\_100g

omega-3-fat\_100g

alpha-linolenic-acid\_100g

eicosapentaenoic-acid\_100g

docosahexaenoic-acid\_100g

omega-6-fat\_100g

linoleic-acid\_100g

arachidonic-acid\_100g

gamma-linolenic-acid\_100g  
dihomo-gamma-linolenic-acid\_100g  
omega-9-fat\_100g  
oleic-acid\_100g  
elaidic-acid\_100g  
gondoic-acid\_100g  
mead-acid\_100g  
erucic-acid\_100g  
nervonic-acid\_100g  
trans-fat\_100g  
cholesterol\_100g  
fiber\_100g  
sodium\_100g  
alcohol\_100g : % vol of alcohol  
vitamin-a\_100g  
vitamin-d\_100g  
vitamin-e\_100g  
vitamin-k\_100g  
vitamin-c\_100g  
vitamin-b1\_100g  
vitamin-b2\_100g  
vitamin-pp\_100g  
vitamin-b6\_100g  
vitamin-b9\_100g  
vitamin-b12\_100g  
biotin\_100g: also known as Vitamine B8  
pantothenic-acid\_100g: also known as Vitamine B5  
silica\_100g  
bicarbonate\_100g  
potassium\_100g  
chloride\_100g  
calcium\_100g  
phosphorus\_100g  
iron\_100g  
magnesium\_100g  
zinc\_100g  
copper\_100g  
manganese\_100g  
fluoride\_100g  
selenium\_100g  
chromium\_100g  
molybdenum\_100g  
iodine\_100g  
caffeine\_100g  
taurine\_100g  
ph\_100g : pH (no unit)  
fruits-vegetables-nuts\_100g : % of fruits, vegetables and nuts (excluding potatoes, yams, manioc)  
  
carbon-footprint\_100g : carbon footprint (as indicated on the packaging of some products)  
  
nutrition-score-fr\_100g : Nutri-Score - Nutrition score derived from the UK FSA score and adapted for the French market (formula defined by the team of Professor Hercberg)  
nutrition-score-uk\_100g : nutrition score defined by the UK Food Standards Administration (FSA)