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GS1 Germany

Data Quality Excellence (GS1 DQX) – Release Notes

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Document information

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Document Description	GS1 DQX Release Notes: Information about upcoming changes in the GS1 DQX Service

Change history

Version	Date of change	Summary of change
1.0	November 30, 2023	First publication (preliminary)
1.1	January 10, 2024	General update

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1 Introduction of the visual validation extension for the attribute "Nutritional content information: Component [M057]"

Since June 2022, attribute-dependent incorrect missing data has been reported as part of the visual validation if the corresponding information is available on the product images/artworks relevant to the visual validation but is not present in the corresponding attribute. This aspect of the visual validation (in the validation direction from the product images/artworks to the data set) is called visual validation extension. The visual validation extension enables a validation of the completeness of data sets in order to approach the goal of the digital twin.

Important: The visual validation extension only applies if information is already present in the respective attribute. Unfilled attributes are still not visually validated by GS1 DQX in this first phase. Further information, e.g. which attributes are currently visually validated by means of the visual validation extension, can be found in chapter 2.2.3.1 of the GS1 DQX Kompendium, available for download at *www.gs1.de/dqx*.

Note: The basic conditions for triggering visual validations do not change with the introduction of the visual validation extension (see "GS1 DQX ComfortCheck - When is a visual validation triggered" in the download area at *www.gs1.de/dqx*).

For the February release on February 24, 2024, the GS1 DQX PCO Expertengruppe has decided to introduce the visual validation extension in the attribute "Nutritional content information: Component [M057]". Visual validation extension information on this can be found in the GS1 DQX Kompendium since December 2023, which is available for download at *www.gs1.de/dqx*.

Background: In addition to the "Big 7" to be declared according to the Food Information Regulation (FIR), namely energy, amounts of fat, saturated fatty acids, carbohydrates, sugar, protein and salt, amounts of dietary fiber and/or polyhydric alcohols are often also listed in the nutrition declaration. As part of the visual validation extension, missing nutritional component information can be identified and reported as missing data.

The functionality of the visual validation extension in the attribute "Nutritional content information: Component [M057]" is shown in the following examples.

Example 1: The attribute "Nutritional content information: Component [M057]" contains information, so the requirements for the visual validation extension are met.

Data set	Product image
(FAT) - Fat, total (FASAT) - Fatty acids, total saturated (CHOAVL) - Carbohydrate, available (SUGAR-) - Sugars, total (PRO-) - Protein, total (SALTEQ) - Salt Equivalent	Fett - davon gesättigte Fettsäuren Kohlenhydrate - davon Zucker Ballaststoffe Eiweiß Salz

> ➤ Result of the extended visual validation: The data set is also expected to contain the information "(FIBTG) - Fibre, total dietary".
>> ➤ Evaluation: Error (= red GS1 DQX certificate)

Example 2: The requirements for the visual validation extension are not met because there is no information present in the attribute "Nutritional content information: Component [M057]".

Data set	Product image
	Fett - davon gesättigte Fettsäuren Kohlenhydrate - davon Zucker Ballaststoffe Eiweiß Salz

> ➢ There is no validation of the attribute yet.

> > ➢ Evaluation: Not relevant (depending on the further validation results of the data set, the GS1 DQX certificate may be "passed" = green)

2 New codes in the visual validation extension of the attribute "Packaging marked label accreditation code [M309]"

In August 2023, new codes were added to the attribute "Packaging marked label accreditation code [M309]" with release 23.08. The GS1 DQX PCO Expertengruppe has decided to include the following new codes in the visual validation extension of the attribute "Packaging marked label accreditation code [M309]" for the February release 24.02:

- FLUSTIX_COMPLETELY_FREE_FROM_PLASTICS

- FLUSTIX_PLASTIC_FREE_PACKAGING

- FLUSTIX_PLASTIC_FREE_PRODUCT

- FLUSTIX_PRODUCTS_FREE_FROM_MICROPLASTICS

- FLUSTIX_PRODUCTS_FROM_RECYCLED_PLASTICS

- FLUSTIX_RECYCLABLE_PACKAGING

All codes that are currently already part of the validation extension of "Packaging marked label accreditation code [M309]" are highlighted in color in the GS1 DQX Prüferweiterungs-Mapping (visual validation extension mapping). The latest version of the GS1 DQX Prüferweiterungs-Mapping, which provides information on which information in the attributes "Packaging marked label accreditation code [M309]", "Compulsory additive label information [M094]" and "Consumer storage instructions [M362]" are part of the visual validation extension, is available in the download area at _www.gs1.de/dqx_.

3　Changes to the validation specifications of visual-validation-relevant attributes

Please always refer to the latest version of the GS1 DQX Kompendium. Updates to the validation specifications of visual-validation-relevant attributes are continuously communicated. A corresponding change history can be found in chapter 7 of the GS1 DQX Kompendium.

The document is available via the download area at *www.gs1.de/dqx*.

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