



Contents of ELL-standard label for Fresh Fruits and Vegetables

Variable measure products

This part of the label has a free format, which can be used to describe fresh fruits or vegetables grower's, packer's and/or distributor's information and product information. ELL-labels for fresh fruits and vegetables should include also country of origin, size and quality class of the products.

This part of the label includes pallet information in text format. Titles should be presented in English as specified in GS1 standards. In addition, if necessary titles can be provided also in the other language. Information contains e.g. pallet's SSCC-code, GTIN of outer package, batch/lot number, count of packages on pallet, the packaging date, the packer's GLN-number (if available) and net weight. **Notice that GTIN of variable measure products starts with indicator 9, and net weight AI (310n) should be used on the label.**

AI (02) signifies the GTIN of outer package and AI (37) count of outer packages on the pallet. **AI (02) and (37) are used always together and are recommended to be presented in the same GS1-128 barcode.** AI (37) can contain maximum of 8 numbers information.

AI (02) is always presented in format of 14 numbers. If GTIN-13 is used, the number 0 has to be added in the front of GTIN-13.

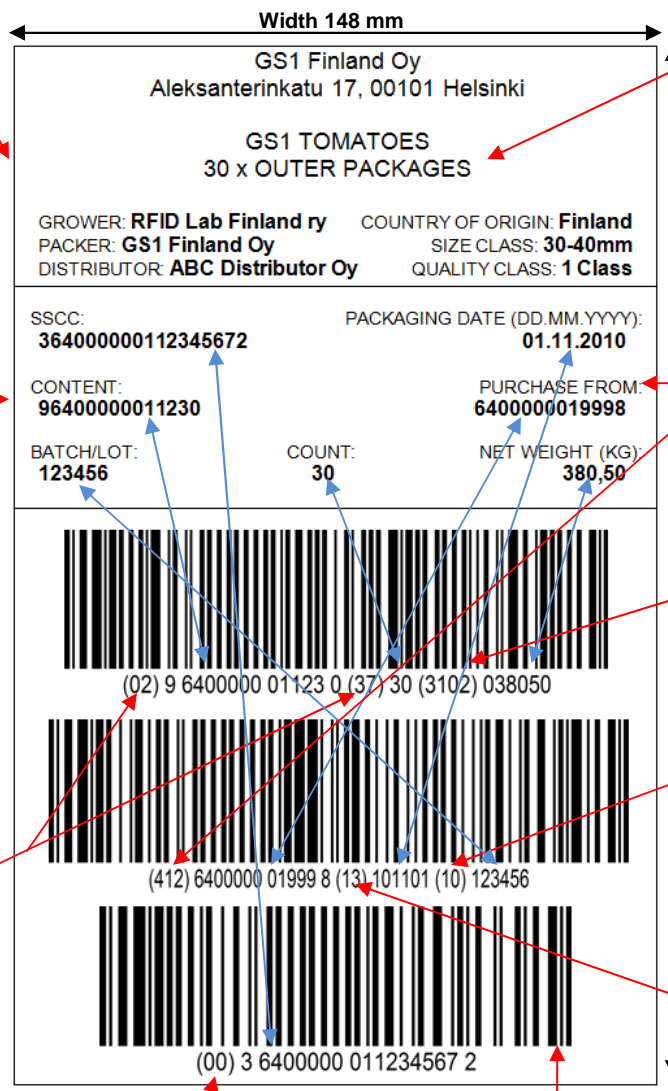
SSCC (Serial Shipping Container Code) is the unique and global identification key for logistic units. SSCC contains a running number for individualizing every pallet. The extension (first) digit in SSCC may vary from 0 to 9 – in this example has been used digit 3. **Notice that SSCC is the mandatory element on the GS1 Logistic label. Every pallet has to have a unique SSCC-code, which is assigned for the life time of the pallet item.**

AI (00) is the Application Identifier for the SSCC. Barcode which includes the SSCC-code is placed in the lowest in the label. SSCC is also recommended to present alone in the barcode. In addition, all barcodes in the label should be centered.

AI = Application Identifier

Standardized prefix (2-4 numbers) in front of the data to tell what the data means. E.g. AI (00) n2 + n18

More detailed information about Application Identifiers can be found from GS1 Global web pages:
http://www.gs1.org/barcodes/technical/application_identifiers



In this example label, the grower is RFID Lab Finland, which grows Finnish tomatoes to the vegetable packer GS1 Finland. The GS1 Finland has branded GS1 Tomatoes, which are sold to the distributor named ABC Distributor. The example GS1 Tomatoes are 1. Class and their size are between 30-40mm.

The purchase from point of fresh fruits and vegetables could be described with the packer's GLN number AI (412). Alternatively could be used the Global G.A.P number (GGN).

AI (310n) describes net weight of the pallet in kilograms. The last number of AI defines amount of decimals.

AI (10) describes batch/lot number. Batch number can include maximum of 20 characters information in alphanumeric form.

AI (13) describes the packaging date. The form is always YYMMDD (Year, Month, Day) in GS1-128 barcode.

- Technical properties of GS1-128 barcode:**
- GS1-128 barcode represents data in the widths (lines) and the spacings of parallel lines. In addition, GS1-128 includes Quiet Zones on left and right side of the barcode.
 - The maximum physical length is 165mm including Quiet Zones.
 - The minimum height of all GS1-128 barcodes in pallet label is 32mm.
 - The minimum space of GS1-128 Quiet Zone is 5,75 mm from edge of the label.
 - The recommended X-dimension of GS1-128 barcode is 0,495 mm.
 - The maximum number of data characters in a GS1-128 is 48.

- Pallet label location:**
- Two identical labels on sides next to each other, one on the short side and one on the long side to the right.
 - Labels should be located minimum 50mm from side edge of the pallet.
 - Labels should be located as high as possible, but inside the standard limits, which are 400 – 800 mm from the bottom of the pallet.