Food / OQ-03

# Vegetable oil: warehouse and line readiness for 2027

Mandatory marking applies from 01.07.2027; aggregation is proposed from 01.01.2027. Coding is an equipment issue; aggregation is a warehouse issue.

## Applying the code is half the job. Linking cases to pallets is the other half.

Under a government resolution, mandatory digital marking of vegetable oil starts on 1 July 2027, with a pilot running since 1 July 2026. The draft resolution proposes code aggregation. For drinking water producers, aggregation was postponed twice due to insufficient readiness.

Conceptual architecture. No operating results are shown.

| | |
|---|---|
| 01 Line | Unit code · Case · Reject |
| 02 Pallet | Aggregation · Label · Verification |
| 03 Warehouse | Location · Rebuild · TSD |
| 04 Shipment | ESF · EDO · Asl belgisi |

## At a glance

01.07.2027 — Start of mandatory marking for vegetable oil. [1]

01.01.2027 — Aggregation date proposed in the draft resolution. [2]

32.8 thousand t — Refined oil production in January–February 2026 (+11.1%). [3]

November 2026

01 Evidence and context

## Who it is for

| | |
|---|---|
| Plant owner | Deadlines and penalties. |
| Production | Line. |
| Warehouse | Pallets and shipments. |
| IT | 1C and EDO. |

## Facts and global practice

**uzdaily.uz; uza.uz**

Mandatory marking from 01.07.2027; six-month pilot from 01.07.2026 (Cabinet of Ministers Resolution VMQ-23, 23.01.2026). [1]

**anhor.uz**

The draft resolution proposes code aggregation (combining case/unit codes into the transport package code) from 01.01.2027. [2]

**National Statistics Committee**

In January–February 2026, 32.8 thousand t of refined vegetable oil was produced, +11.1%. [3]

**kun.uz**

Aggregation for water and beverages was postponed again due to insufficient readiness. [2]

The aggregation date is still at draft stage; the final resolution should be monitored.

02 Where the losses occur

## Cases and pallets

Case codes are not automatically linked to the pallet.

## Rejects and repacking

A removed case code is not removed from the pallet.

## Warehouse

The link is broken when a pallet is rebuilt.

## 1C and EDO

The aggregate code does not appear in the shipping document.

## How the loss is calculated

| | |
|---|---|
| Penalties | number of incidents × penalty per incident |
| Rejected ESFs | number of rejected ESFs × re-processing time per document (hours) × hourly labour cost |
| Line speed | slowdown hours × lost output per hour (cases/hour) |
| Manual work | hours per month × number of staff |

Illustrative calculations; establish the baseline, units and rates during the site assessment. Avoid counting the same loss twice.

03 Solution architecture

# From line to shipment: one aggregation chain

Linking cases and pallets at the end of the line, recording warehouse changes with handheld data collection terminals (TSD), and transmitting aggregate codes to the ESF automatically. Coding equipment is supplied by a partner.

**01 Line**

Unit code · Case · Reject

**02 Pallet**

Aggregation · Label · Verification

**03 Warehouse**

Location · Rebuild · TSD

**04 Shipment**

ESF · EDO · Asl belgisi

## Modules

| | | |
|---|---|---|
| Aggregation station software | End of line | Engineering capability |
| WMS + TSD | Pallet handling | Commercially available |
| ESF/EDO integration | Aggregate codes | Commercially available |
| Coding equipment | Partner | In development |

Each module has a readiness status. Third-party results are not a forecast for your site.

04 Implementation and measurement

## 01 Readiness audit

Line and warehouse.

Output: gaps.

## 02 Pilot

One line.

Output: aggregation.

## 03 Scale-up

All lines.

Output: full rollout.

## 04 Subscription

Support.

Output: error trend.

## What is measured

| | | |
|---|---|---|
| Aggregation errors | Incidents | System |
| Line speed | Cases/hour | Line |
| Rejected ESFs | Count | EDO |
| Manual corrections | Hours | System |

## What is needed to start

- Plant owner
- List of lines
- Warehouse process
- Test access to 1C

05 Readiness checklist and next step

| | |
|---|---|
| 01 Are you taking part in the pilot? | Yes / No / Unknown |
| 02 Are case codes read automatically on the line? | Yes / No / Unknown |
| 03 Is there a pallet aggregation plan? | Yes / No / Unknown |
| 04 Is there a defined procedure for removing rejected case codes? | Yes / No / Unknown |
| 05 Is there a defined procedure for updating aggregation when a pallet is rebuilt in the warehouse? | Yes / No / Unknown |
| 06 Do aggregate codes appear in the ESF? | Yes / No / Unknown |
| 07 Has an equipment supplier been selected? | Yes / No / Unknown |
| 08 Have staff been trained? | Yes / No / Unknown |
| 09 Has the beverage sector's experience been reviewed? | Yes / No / Unknown |
| 10 Is there a designated responsible person? | Yes / No / Unknown |

## What we do not promise

• Exact timeline and price without an audit

• Certificate or inspection result

• Guaranteed export approval

• Unmeasured results

• Manufacturing marking equipment in-house

## Oil plant readiness audit

We compare your lines, warehouse and 1C against aggregation requirements.

• Break-point map

• Pilot plan

• Implementation fee and monthly subscription

Scope, price and schedule are agreed after reviewing the site and its data.

06 Sources and scope

[1] Mandatory digital marking of vegetable oil from 01.07.2027 (VMQ-23, 23.01.2026); pilot from 01.07.2026. uzdaily.uz; uza.uz.

uzdaily.uz

uza.uz

[2] Draft resolution: aggregation of vegetable oil codes is proposed from 01.01.2027. anhor.uz, 2026.

anhor.uz

[3] National Statistics Committee: 32.8 thousand t of refined vegetable oil in January–February 2026 (+11.1%). stat.uz, 20.04.2026.

stat.uz

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