# Milk sample bottle with TAG label 6845-21

**The sample bottle with TAG label serves to sample milk at milk collecting trucks, to carry out dairy herd improvement tests and to handle the samples in the laboratory.**


## Application

The patented BARTEC sample bottle with BARTAG® label permits the certain identification of samples by means of the RFID transponder (TAG).

Due to the barcode, which is additionally available, BARTAG® bottles can be integrated into an already established system with barcode identification.

Moreover, the integrated electronic memory (TAG) offers the big advantage that the comming up data during the sampling and the testing is stored contactless right on the bottle.

The integrated 64 bit serial number makes sure that each TAG is unique and therefore unmistakable. This results in an optimal identification certainty and considerably improves the system of sample traceability.

In comparison to the barcode identification, the incidence of reading errors can be reduced by the factor 10.

## Structure

The BARTAG® label is a combination of the already known barcode and an integrated electronic memory (TAG). The TAG works passively, i.e. without battery, thus guaranteeing data safeguarding for over 10 years.

The BARTAG® label has been developed in particular for the requirements of milk collecting and bottle cleaning.

The BARTEC sample bottle in accordance with DIN 12835 consists of transparent plastic. It is light, stiff-elastic, impact-proof and does not splinter.

The shape of the sample bottle has been optimised for optimal cleanability. The TAG label is largely insusceptible to external influence factors and is characterised by high durability.

## Advantages

- Sample identification by means of transponder (TAG) and/or barcode.
- State-of-the-art RFID transponder technology according to ISO 15693.
- Sampling data and/or analyse results are read and stored in one work-step.
- TAG offers a very high reliability and high speed with automatic sample identification.
- Reading and writing technology at low costs.
- Very robust and chemically resistant.
- Suitable for magnetic transport media.

BARTEC BENKE GmbH • Schulstraße 30 • D-94239 Gotteszell • Phone +49 (0)9929 301-0 • Telefax 301-112
E-Mail: gotteszell@bartec-benke.de • Internet: www.bartec-benke.de

| Technical data | |
|---|---|
| **Mechanical data** | |
| Material of bottle body | Copolymerisate (polypropylene and polyethylene) |
| Diameter of bottle body | approx. 32 mm |
| Diameter of pot | not rusty Steel |
| Cyclic running | 1 mm |
| Weight (without stopper) | approx. 24 g |
| **Electrical data** | |
| Storage capacity | 10 kbit (125 * 8 Bytes) |
| Memory organisation | 64 bit serial number<br>125 * 8 Bytes User Memory |
| **Data rate** | Up to 26 kbit/s |
| Data storage | > 10 years |
| Interface | Contactless ISO 15693 |
| Frequency | 13.56 MHz |
| **Ambient conditions** | |
| Operating temperature | 0 ... + 45 °C |
| Storage temperature | - 10 ... + 45 °C |
| **Device-specific data** | |
| Volume | 50 ccm |
| Barcode | 2/5 interleaved, 10-digit with checksum |

| Order designations | |
|---|---|
| **Designation** | **Order number** |
| Sample bottle TAG-label 6845-21 | 209 780 |
| Bottle cap Silicon WT 753.1, grey, slit<br>(in different colours available) | 216 935 |

### Washing instruction for BARTEC sample bottle

| | |
|---|---|
| Washing | max. 3 minutes at max. 60°C, alkali detergent cleaner (recommended: Neodisher FS) |
| Rinsing | max. 2 minutes at max. 60°C, acid rinsing fluid (recommended: Neodisher TS) |
| Drying | max. 2 minutes with air flow, max. 85 °C |

If these washing instructions are complied with, the bottles can be cleaned in almost sterile ambient conditions without any risk of damaging the bottles or the labels.

If sample bottles are washed at washing and drying temperatures deviating from this instruction or with detergents other than those mentioned above, BARTEC assumes no guarantee for the durability of the bottle and the label as well as for the required almost sterile cleaning.