

## Milk Sample Bottle, Type 6845-xx

- The milk sample bottle type 6845-xx has been designed for milk sampling at the milk collection truck and for the transport of milk samples in the laboratory.
- A non-detachable fixed barcode label makes it possible to identify the sample bottles automatically.



### Application

The sample bottle type 6845 is used for:

- Automatic sampling at the milk collection truck.
- The transport of the milk samples in the laboratory to MAK analysers and sample processing devices.
- The MAK devices wash the sample bottles automatically, they add the means of preservation, plug and remove the caps, they take over the rewinding, the barcode reading, the warming up and shaking of the milk samples, they charge and discharge the cassettes for the milk collection vehicle.
- The bottle bottom consists of soft magnetic, stainless steel. Bottle body and bottle bottom are tightly connected. The disc-spring shape of the bottle bottom gives the connection body-bottom high strength. Three ring-shaped sealing lips round the bottle base avoid moisture penetration between bottom and body.

- The steel bottom offers the transport of the milk sample bottles by magnetic chains or magnetic discs in round magazines. A rotating magnet is able to turn the milk sample bottle in front of a barcode scanner. An indentation in the bottle bottom provides the centring of the milk sample bottom.
- The barcode label is sunk in a throat round of the bottle. Thus it is protected against mechanical damages such as rubbing off and scraping of the label edges. The barcode label is glued durably and non-detachable with the milk sample bottle. This enables an identification of the milk samples at the different analysing devices.

### Construction

- The sample bottle consists of a polypropylene derivative. It is light, stiff-elastic, resistant to shock and non-splintering.
- The sample bottle is slightly diffuse-transparent and colourless. No "white fracture" occurs. All inner edges are highly rounded.
- There are no dirt-catching undercuts. The bottom of the sample bottle has nearly the shape of a test glass.

### Advantages

- Handy, shock-resistant and non splintering
- Chemically resistant and easy to clean
- Sample identification by barcode label
- Also possible for magnetic transportation means.

**Thermal Stability**

The high thermal stability is one of the features of the used material.

However, our warranty is not valid if:

- the bottle is squeezed inappropriately,
- the bottle is exposed to higher temperatures than indicated in our table below.

**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.

**Chemical Resistance**

The material of the milk sample bottle corresponds in its composition to recommendation VII - polypropylene - of the Public Health Department for the health assessment of plastics in the framework of the Foodstuff Law.

Also in various other countries the material is being recognised as safe.

Due to the conversation media in the milk samples it is not urgently required that the milk bottle is appropriate for food. However, the recommendation VII shows that the bottle does not undergo a chemical change by the materials used in the milk industry.

With regard to purifying agents we cannot give a general release.

We recommend to use the proven cleaning materials by the Müller-Weigert and Henkel companies: neodisher.®FS-purifier (alkaline) and neodisher®TS-scourer (acid).

The concentrations recommended by the manufacturers may not be exceeded.

**ATTENTION:**

Higher concentration can milky cloud the bottle and corrode the adhesive agent of the barcode label!

The steel of the bottom is increased acid-resistant.

It contains only chromium as alloying constituent (no nickel).

Milk in any form as well as the mentioned purifying agents do no affect the steel bottom.

Technical Data	
<b>Bottle</b>	
<b>Mechanical Data</b>	
Material bottle body	Eltex P KL 104 natural colour, statistic copolymer from propylene and ethylene, contact-transparent
Diameter bottle body	31,8 ± 0,2 mm
Material bottle bottom	Steel 1.4016
Concentric running (bottle total)	1 mm
Weight	without cap 24 g with cap 30 g
Diameter bottle bottom	Collar 31,8 - 0,2 mm Body 31,4 mm
Height (bottle total, without cap)	104,3 mm
Center label field	54,3 mm
Center barcode	57,0 mm
Width label field	18,0 mm
Roundness bottle	± 0,5 mm
Centric sinking	0,3 mm free motion on the rotary magnets centring nipple of our reading stations
Opening diameter	24,1 - 0,1 mm
<b>Ambient conditions</b>	
Operating temperature	0° C ... + 40° C
Storage temperature	- 10° C ... + 45° C
<b>Device-specific data</b>	
Volume	50 ccm
Durability	At least 5 years
<b>Barcode label</b>	
Material	Polyester foil or two-layer acrylic foil, black/white
Format	46 x 15 mm rounded edges
Adhesive material	Cyan-Acrylat, special material for connection of Acryl and Polypropylen
Barcode	2/5 interleaved, 10-digit with checksum
Clear-code	Decimal number 10-digit, in the field of 5 mm width under the barcode
Durability	1 - 2 years at proper use of the bottle, depending on the number of washing procedures

Order details	
Description	Order number
Milk sample bottle with label type 6845-7, UE	U962 1 68457
Milk sample bottle without label type 6845-5, neutral	U962 1 68455
Milk sample bottle with MPR-label type 6845-4	U962 1 68454
Bottle cap WT 753.1	U962 11 7531
Barcode label for type 6845-4	U158378
Barcode label for type 6845-7	U158376