

First Commission Directive of 15 July 1986 laying down methods of sampling for chemical analysis of edible caseins and caseinates (86/424/EEC)

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ANNEX

METHODS OF SAMPLING RELATED TO THE CONTROL OF CHEMICAL ANALYSIS OF CERTAIN EDIBLE CASEINS AND CASEINATES INTENDED FOR HUMAN CONSUMPTION

III. BORERS FOR THE SAMPLING OF EDIBLE CASEINS AND CASEINATES IN BULK

1. **Types of borer**

Type A: Long (see fig. 1);

Type B: Short (see fig. 1).

2. **Materials**

Blade and stem shall be made of polished metal, preferably stainless steel. The grip of the long type should preferably be made of stainless steel. The short type borer shall have a detachable grip of wood or plastic, fitted with a bayonet-catch in the blade.

3. **Construction**

3.1. Shape, material and finish shall be such as to permit the borer to be easily cleaned.

3.2. The protruding edge of the blade of type A shall be sufficiently sharp to serve as a scraper.

3.3. The point of the blade shall be sufficiently sharp as to facilitate sampling.

4. **Principal dimensions**

The borers shall conform to the dimensions (subject to a tolerance of 10 %) given in the table below:

<i>(in mm)</i>		
	Type A Long	Type B Short
Length of blade	800	400
Thickness of metal of blade	1 to 2	1 to 2
Inner diameter of blade at point	18	32
Inner diameter of blade at grip or stem	22	28
Slit width at point	4	20
Slit width at grip or stem	14	14

5. **Note on use of borers**

5.1. With less free-flowing powders, the borers can be inserted vertically. Type A borers are filled completely by turning and then can be withdrawn vertically.

Type B borers are already filled completely during insertion but must be withdrawn in an oblique position to prevent losses from the lower end.

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5.2. In the case of free-flowing powder, the containers shall be inclined, the borers inserted nearly horizontally with the slit downwards and withdrawn with the slit upwards.

Figure BORERS SUITABLE FOR THE SAMPLING OF CASEINS AND CASEINATES

(Dimensions in millimetres)

