



**United States
Department of
Agriculture**

**Agricultural
Marketing
Service**

**Dairy
Division**

United States Sediment Standards for Milk and Milk Products

Effective September 1, 1977

United States Sediment Standards for Milk and Milk Products

§ 58.2726 *United States sediment standards for milk and milk products.*

(a) The standards contained in this section consist of ten (10) sediment discs, prepared as hereinafter indicated, each of which represents one of the following:

- 0 mg. of sediment.
- 0.025 mg. of sediment.
- 0.050 mg. of sediment.
- 0.075 mg. of sediment.
- 0.10 mg. of sediment.
- 0.20 mg. of sediment.
- 0.30 mg. of sediment.
- 0.50 mg. of sediment.
- 1.00 mg. of sediment.
- 2.50 mg. of sediment.

(b) Each sediment disc was prepared in accordance with the procedure set forth in paragraph 9.04 of the publication "Standard Methods for the Examination of Dairy Products," Ninth Edition, 1948, published by the American Public Health Association, 1790 Broadway, New York, New York. To facilitate the use and availability of these standards, a composite photograph of the ten (10) sediment discs is made a part hereof;¹ and a copy of the photograph may be obtained, upon request, from the Poultry and Dairy Quality Division, Agricultural Marketing Service, U.S. Department of Agriculture, Washington, D.C. 20250.

§ 58.2728 *United States sediment standards for milk and milk products: Six 1½" diameter filtering area (coarse sediment).*

(a) The standards contained in this section consist of six (6) sediment discs prepared as hereinafter indicated, each of which is numbered consecutively 0 to 5 representing one of the following amounts of sediment on a 1½" diameter filtering area.

- 0--0.0 mg.
- 1--0.5 mg.
- 2--1.5 mgs.
- 3--2.5 mgs.

¹Filed as part of the original document.

4--3.0 mgs.

5--6.0 mgs.

(b) Each sediment disc was prepared from "coarse" sediment in accordance with the procedure set forth in paragraph 15.06 of "Standard Methods for the Examination of Dairy Products," Eleventh Edition 1960, published by the American Public Health Association, 1790 Broadway, New York, New York. To facilitate the use and availability of these standards, a composite photograph of the six (6) sediment discs is attached hereto and made a part hereof.¹

§ 58.2729 *United States sediment standards for milk and milk products: Three 1½" diameter filtering area (coarse sediment).*

The standards contained in this section are those most commonly used for the examination of raw milk by the "off the-bottom method," and are the same three (3) sediment discs numbered as 1, 2 and 3 showing 0.5 mg., 1.5 mgs., and 2.5 mgs. of sediment, respectively, as designated in § 58.2728. To facilitate the use and availability of these standards, a composite photograph of these three (3) sediment discs is attached hereto and made a part hereof.¹

§ 58.2730 *United States sediment standards for milk and milk products: Six 0.40" diameter filtering area (fine sediment).*

(a) The standards contained in this section consist of six (6) sediment discs prepared as hereinafter indicated, each of which is numbered 0 to 5 representing one of the following amounts of sediment on a 0.40 inch diameter filtering area and is equivalent to the respective amounts of sediment on the 1½ inch diameter filtering area as described in § 58.2728:

0--00 mg. (0.0 mg. equivalent)

1--0.0625 mg. (0.5 mg. equivalent)

2--0.1875 mg. (1.5 mgs. equivalent)

3--0.3125 mg. (2.5 mgs. equivalent)

4--0.3750 mg. (3.0 mgs. equivalent)

5--0.7500 mg. (6.0 mgs. equivalent)

(b) Each sediment disc was prepared from "fine" sediment in accordance with the procedure set forth in paragraph 15.07 of "Standard Methods for the Examination of Dairy Products," Eleventh Edition 1960. To facilitate the use and availability of these standards, a composite photograph of the six (6) sediment discs is attached hereto and made a part hereof.¹

§ 58.2731 *United States sediment standards for milk and milk products: Three 0.40" diameter filtering area (fine sediment).*

The standards contained in this section are those most commonly used for the examination of raw milk by the "stirred sample method" and are the same three (3) sediment discs numbered as 1, 2 and 3 showing 0.0625 mg., 0.1875 mg., and 0.3125 mg. of sediment, respectively, as designated in § 58.2730. To facilitate the use and availability of these standards,

a composite photograph of these three (3) sediment discs is attached hereto and made a part hereof.¹

§ 58.2732 *United States sediment standards for milk and milk products: For 0.10", 0.14", and 0.20" diameter filtering areas (fine sediment).*

(a) The standards contained in this section consist of three series of four (4) sediment discs prepared as hereinafter indicated, each of which is numbered 0 to 3 representing one of the following amounts of sediment on a 0.10 inch, 0.14 inch, and 0.20 inch filtering area and is equivalent to the respective amounts of sediment on the 1/8 inch diameter filtering area as described in § 58.2728:

0.10 inch diameter filtering area.

- 0--0.0 mg. (0.0 mg. equivalent).
- 1--0.0039 mg. (0.50 mg. equivalent).
- 2--0.0118 mg. (1.50 mgs. equivalent).
- 3--0.0196 mg. (2.50 mgs. equivalent).

0.14 inch diameter filtering area.

- 0--0.0 mg. (0.0 mg. equivalent).
- 1--0.0078 mg. (0.50 mg. equivalent).
- 2--0.0235 mg. (1.50 mgs. equivalent).
- 3--0.0391 mg. (2.50 mgs. equivalent).

0.20 inch diameter filtering area.

- 0--0.0 mg. (0.0 mg. equivalent).
- 1--0.0156 mg. (0.50 mg. equivalent).
- 2--0.0469 mg. (1.50 mgs. equivalent).
- 3--0.0781 mg. (2.50 mgs. equivalent).

(b) Each sediment disc was prepared from "fine" sediment in accordance with the procedure set forth in paragraph 15.07 of "Standard Methods for the Examination of Dairy Products," Eleventh Edition, 1960 and paragraph 17.4, thirteenth edition, 1972. To facilitate the use and availability of these standards, a composite visual aid of the three series of four (4) sediment discs is attached hereto and made a part hereof.¹