

FAT LOST IN SKIM MILK

Yield of cream

This can be calculated by the formula:

$$C = M X \frac{f_m - f_s}{f_c - f_s},$$

Edit Formula

Where,

C = weight of cream (kg);

M = weight of milk (kg);

f_m = fat percentage of milk;

f_s = fat percentage of skim milk;

f_c = fat percentage of cream.

Fat recovery in cream: This can be calculated by the formula:

$$\text{Per cent fat recovered in cream} = \frac{\text{Kg fat in cream}}{\text{Kg fat in milk}} \times 100.$$

Yield of skim milk

This can be calculated by the following formula:

$$S = M X \frac{f_c - f_m}{f_c - f_s},$$

Edit Formula

Where,

S = weight of skim milk (kg);

M = weight of milk (kg);

f_m = fat percentage of milk;

f_s = fat percentage of skim milk;

f_c = fat percentage of cream

Fat lost in skim milk: This can be calculated by the formula:

$$\text{Per cent fat lost in skim milk} = \frac{\text{Kg fat in skim milk}}{\text{Kg fat in milk}} \times 100 \dots \text{I}$$

$$= \frac{f_c - f_m}{f_c - f_s} \times \frac{f_s}{f_m} \times 100 \dots \text{II}$$

Where f_c , f_m and f_s are as above.