

While no complaint has been made by Canadian manufacturers it is altogether probable that changed conditions of production in the extreme west of Canada may justify some modification of our standards as regards relative fat and non-fat solids, in evaporated whole-cream milk. Of course the partial removal of cream from normal milk, before concentration, will result in a product in which the non-fat solids will be relatively predominant.

The following brands show an average content in both solids and fat, which practically meets our present standard requirements of 26 per cent total solids and 7.20 per cent of fat.

Canada first—mean of 39 samples.		Solids	26.52	Fat	7.51
Carnation	" 3 "	"	25.72	"	7.19
Jersey Cream	" 12 "	"	27.14	"	7.67
Peerless	" 31 "	"	26.03	"	7.10
Reindeer	" 2 "	"	27.25	"	7.45
St. Charles	" 60 "	"	26.51	"	7.42

One of these brands (Carnation) shows a somewhat lower content in solids than corresponds to the content of fat. This becomes more pronounced in the following:

B.C. brand—mean of 6 samples.		Solids	22.63	Fat	6.74
Empress	" 1 "	"	22.35	"	6.48
Spencers Perfect	" 1 "	"	21.92	"	6.21

It is unfortunate that two of these are represented by single samples only; but the showing, unconvincing as it is, would seem to indicate that milk of the extreme west possesses a somewhat lower relative content of non-fat solids than that of Eastern Canada.

Evaporated milk, as judged from the results of this inspection, appears to be a very satisfactory food product; and the occasional and exceptional occurrence of a sample, slightly below normal, may be held to be almost unavoidable when we take into consideration the variability of the material (milk) used in its production. The season of the year; the state of the pasture, the character of the herd, and other factors, necessarily cause variation in the character of milk; and so long as cases of failure to meet standard requirements are relatively few, and the deficiencies small, there may be considered no evidence of any intent to defraud the purchaser. The fat content is, of course, the most important, from the consumer's point of view. Six brands show decided deficiency in this respect, namely:

B.C. showing a mean fat 6.74 for 6 samples.				
Empress	"	6.48	" 1 "	"
Gazelle	"	6.62	" 2 "	"
Primus	"	6.39	" 2 "	"
Spencers Perfect	"	6.21	" 1 "	"
St. George	"	6.77	" 19 "	"

Utility brand is labelled and sold as a skimmed milk, and meets the defined requirements for such an article.

I beg to recommend publication of this report as Bulletin No. 305.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,

Chief Analyst.