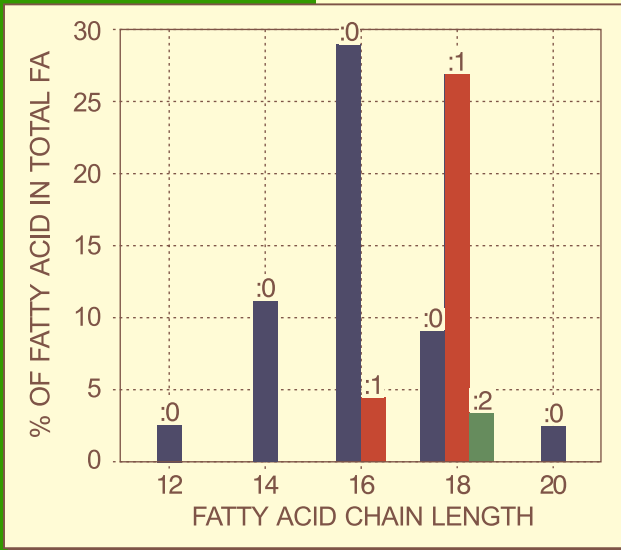


# Milk Composition

The average gross composition of unprocessed milk is as follows:



CONSTITUENT	AVERAGE CONTENT	NORMAL VARIATION
	----- % -----	
Water	87.2	82.4 - 90.7
Total Solids	12.3	9.3 - 17.6
Fat	3.7	2.5 - 6.0
Solids non-fat	9.1	6.8 - 11.6
Protein	3.5	2.7 - 4.8
Casein	2.8	2.3 - 4.0
Lactalbumins and Lactoglobulins	0.7	0.4 - 0.8
Lactose	4.9	3.5 - 6.0
Minerals	0.7	0.6 - 0.8

Proportions of the major saturated and unsaturated fatty acids in milk are shown in the figure above.

for more information:

[Facts about Fats, Alberta Dairy Management](#)

[Milk Protein, Alberta Dairy Management](#)

[Manipulating Milk Composition 1. The effect of feeding high concentrate rations, University of Alberta Dairy Research Highlights](#)

[Manipulating Milk Composition 2. Feeding oilseeds alters fat composition, University of Alberta Dairy Research Highlights](#)