

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
BULLETIN No. 98.
WHEATEN FLOUR

OTTAWA, July 22, 1904.

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Deputy Minister of Inland Revenue.

SIR,—During the months of January and February last, samples of wheaten flour were obtained in all the collection districts of the Dominion as required in your letter of January 14, 1904. These are described in the statement, Table I appended to this report from which it will be seen that the number of samples collected in the various districts was as follows:—

Halifax	8
Prince Edward Island	2
New Brunswick	6
Quebec	13
Montreal	12
Kingston	7
Toronto	8
London	7
Winnipeg	4
Calg	2
British Columbia	6
Total	75

The results of testing these samples are given in Table I which also contains all the information obtained by the food inspectors as regards the designations of the various brands, and the names of the manufacturers or furnishers. Many of the samples were simply sold as 'flour,' and it is quite possible that the manufacturers names as given by the vendors may not be accurate. Besides the descriptions of the 75 purchased samples there have also been introduced into the table the results of examining 7 standard samples of flour obtained from the Secretary of the Board of Trade, Montreal, as well as of 4 samples of their regular brands furnished by the Lake of the Woods Milling Co. These will be found useful for purposes of comparison, and perhaps afford a means of ascertaining whether any of the samples collected in the open market are of abnormal quality.

The characters possessed by the samples are detailed in the various columns of Table I and under the following numbers:—1. Total nitrogen; 2. wheat proteids; 3, 4 and 5. gluten; 6, 7 and 8. degree of fineness as shown by bolting; 9. acidity; 10. Total ash; 11. ratio of proteids to dry gluten. It will thus be seen that, besides being chemically examined, all the samples were subjected to some of the practical tests known