

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
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MEAT EXTRACTS

OTTAWA, Sept. 10, 1913.

WM. HIMSWORTH, Esq.,
Deputy Minister,
Inland Revenue.

SIR,—I beg to hand you a report of eighty (80) samples purchased throughout Canada, as Meat Extracts, in February and March of last year. The necessity of taking in hand the analysis of articles which could be less readily preserved, or whose examination was more pressingly demanded, caused this collection to be held over for the long period of eighteen months. While it is believed that the nature of the article, the care observed in its packing, and in its preservation while in our possession, have prevented any important deterioration, it is but right to say that the analytical results now furnished you must be regarded rather as a study of the subject of Meat Extracts, than as a legal inspection of the article as found on the market.

Our last published work on Meat (Beef) Extracts was issued in April, 1899, as Bulletin No. 63, and was as complete a presentation of the subject as was, at that time, possible. Since the date named a great deal of investigatory work has been put on record both by The United States of America (Bureau of Chemistry) and by European laboratories. The Meat Extracts of Commerce, so far as these possess real value, are found to be characterized in such a way as to make it possible to establish standards of value, below which an Extract cannot be recognized as genuine. An Order-in-Council dated 24th October, 1910, and passed conformably to Sec. 26 of the Adulteration Act, defines Meat Extracts, and allied products, as below:—

C.—MEAT EXTRACTS, MEAT PEPTONES, GELATIN, ETC.

1. Meat extract is the product obtained by extracting fresh meat with water and concentrating the liquid portion by evaporation after the removal of fat, and contains not less than seventy-five (75) per cent of total solids of which not over twenty-seven (27) per cent is ash, and not over twelve (12) per cent is sodium chloride (calculated from the total chlorine present), not over six-tenths (0.6) per cent is fat and not less than eight (8) per cent is nitrogen. The nitrogenous compounds contain not less than forty (40) per cent of meat bases and not less than ten (10) per cent of kreatin and kreatinin.