

LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 321

LIME JUICE

OTTAWA, September 1, 1915.

J. U. VINCENT, Esq.,
Deputy Minister, Inland Revenue.

SIR,—I beg to hand you herewith a report upon eighty-three (83) samples purchased as Lime Juice by our inspectors in April, May and June of this year. This inspection was undertaken in consequence of complaints to the effect that this article was extensively adulterated, in the sense of being much below the legal standards for Lime Juice.

By Order in Council of 28th January last, the following standards were legalized, as under Section 26 of the Adultration Act.

Lime Juice, Lime Fruit Juice, is the freshly expressed juice of the ripe fruit of Citrus (various species; and has a specific gravity at 20° C. of not less than 1.030 and not greater than 1.040, and contains not less than eight (8) per cent of solids and not less than seven (7) per cent of free citric acid. Its optical activity (rotatory power to polarized light) lies between the limits of +0.5° and -1.0° of the Soleil-Ventzke scale, when observed in a column of 200 mm. length at 20° C.

These standards only differ from those established by Order in Council of 11th February, 1911, in the following particulars:—

1. Recognizes various species of Citrus instead of *C. limetta* only, as sources.
2. Fixes 8 per cent solids instead of 10 per cent as in the earlier standards.
3. An optical activity between the limits of +0.5° and -1.0° is recognized,

instead of +0.5° to -0.5° as in the Order in Council of 1911.

These changes have the effect of making the standards less exacting than formerly, in consequence of which any failures to meet existing standards are less excusable.

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