

wing to the large amount of work in arrears here, and to the labour involved in making a complete analysis of this article, I have not considered it necessary to make a full examination of every sample; but a sufficient number of samples of each brand has been examined, to form a basis for judgment.

The results show that, for the most part, Unfermented Grape Juice is true to name, and is rendered marketable by sterilization and hermetic sealing. With very few exceptions the alcohol content is below the legal limit of two per cent (2 p. c.) volume; and in many instances, mere negligible traces are found. Exceptions are Nos. 63536, 63931, (Pelee Island) and 63967 (Sterling)

The other legal requirements for grape juice are as follows:—

Specific gravity, between 1·0400 and 1·1240 at 20°C.

Total sugars between 7 and 28 per cent stated as reducing sugars.

Ash between 20 and 55 centigrammes per 100 cubic centimetres; phosphoric (as P₂O₅) between 15 and 70 milligrammes per 100cc. With very few exceptions, these limits are met by the samples now reported. The exceptions, which in all cases are small, indicate additions of sugar or water or both to the grape juice.

I beg to recommend publication of this report as Bulletin No. 307.

I have the honour to be, Sir

Your obedient servant,

A. MCGILL,

Chief Analyst.