

CIRCULAR**DEPARTMENT OF NATIONAL REVENUE**
(EXCISE DIVISION)

OTTAWA, May 1st, 1937.

*To Collectors of Customs and Excise and Others Concerned:***Re SDAG No. 1-C**

The following changes effective this date in Circular No. 488-C Third Revision should be noted by all concerned:—

That portion of Section 3 (page 4) which sets forth the composition of SDAG No. 1-C is hereby cancelled and superseded by the following:—

96 gallons of Ethyl Alcohol (65% O.P.)		
4 " " Nicotine Sulphate Solution.		
$\frac{1}{8}$ oz. " Methylene Blue.		

A new section numbered 13A should be inserted immediately after Section 13, as follows:—

13A. *Methylene Blue*.—This is the blue dye also known as Methylthionine Chloride in the British Pharmacopoeia. It must show not less than 80 per cent of the pure dye when assayed according to the methods specified in the B.P. 1932 or the U.S.P. XI.

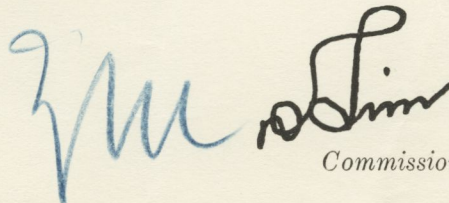
A new section numbered 13B should be inserted immediately after Section 13A as follows:—

13B. *Nicotine Sulphate Solution*.—This must be an aqueous solution of nicotine sulphate which must show not less than 0.5 gram of nicotine in 100 ml. when tested in the following manner:—

Measure 100 ml. of the solution into a 500 ml. Kjeldahl flask provided with a suitable bulb spray-trap. Add 30 ml. of a saturated solution of barium hydroxide and distil in a current of steam until the distillate is no longer alkaline. Slightly acidify the distillate with sulphuric acid and evaporate till its volume is about 50 ml. Transfer it to a 100 ml. graduated flask and make strongly alkaline by the addition of sodium hydroxide solution.

If necessary, clarify by adding a few drops of barium chloride solution and allowing the precipitate to settle. Dilute to 100 ml. and observe its rotary power in a saccharimeter. The amount of nicotine is calculated from the fact that a reading of 1 division on the negative side of the Ventzke sugar scale (j light) corresponds to 0.220 gram of nicotine in each 100 ml. of solution, a 2 decimetre observation tube being used.

Section 20 is cancelled.



Commissioner of Excise.