

FREDERICK STEARNS & COMPANY

143032

MANUFACTURING PHARMACISTS

DETROIT, MICHIGAN

SCIENTIFIC DEPARTMENT

June the 12th,
1 9 3 4

W.H. Blome:

Mr. F. G. Van Dyke,
3304 Eaton Tower,
Detroit, Mich.

Dear Mr. Van Dyke:

In November, 1932, we subjected a sample of Eucazone to the usual test for available oxygen as follows:

4.441 grams of Eucazone were shaken with 25 ccs. water, and 1 gram potassium iodide was dissolved in the water. After standing in contact for a period of eight hours, we found that sufficient amount of iodine had been liberated, to require 1 cc. of N/10 sodium thiosulphate solution to combine with it.

On November 2nd more iodine had been liberated, which required 0.3 ccs. more of the volumetric solution. On the 3rd, 0.5 ccs. more was required; on the 4th, 0.33 ccs., and on the 10th 0.5 ccs.

In other words, over a period of approximately ten days, sufficient oxygen was liberated by the Eucazone to free enough iodine to correspond to 2.6 ccs. of N/10 sodium thiosulphate solution.

At the same time, we took a sample of 4.535 grams of Australian oil eucalyptus, shook it with water, dissolved the same amount of potassium iodide in the water, and found that this, also, liberated some oxygen as shown by the freeing of iodine from the potassium iodide. However, in this case the amount of iodine set free was considerably less than was true in the case of the Eucazone, as shown by the following:

On November 2nd, 4th and 10th, 0.1 cc. of N/10 sodium thiosulphate solution was required to decolorize the iodine liberated. This means that over the same period of time, 0.3 ccs. of N/10 sodium thiosulphate were required to decolorize the iodine liberated by the oxygen in oil of eucalyptus, as compared with 2.6 ccs. in the case of Eucazone.

This information is given with the definite and distinct understanding that it is not to be used for advertising, or that our name is to be associated with it in any manner whatsoever except for the information of the Canadian authorities only.

Very truly yours,

FREDERICK STEARNS & COMPANY.

W. H. Blome
Scientific Director.

P.S. These tests were made in our Detroit, Michigan, Laboratories, in connection with some preliminary work done for the Eucazone Products Company, for our own information, and before manufacture of these products in our Laboratories in Windsor, Ontario, Canada, was contemplated.

MEIGHEN PAPERS, Series 6 (M.G. 26, I, Volume 220A)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA