

To determine the amount of Iodine released from a solution of Potassium Iodide by the Active or Nascent Oxygen property of Eucozone.

-R- represents the base, and in this case Eucalyptol.



Oxygen weighs 89.27 lbs. per 1000 cu. ft.

40,572 grams per 28,800,000 c.c.

.001 grams per .70984 c.c.

Ozone 3 volumes of  $O_2$  condenses to 2 volumes of  $O_3$ .

Ozone weighs 267,812 lbs. per 2000 cu. ft.

133,906 " " 1000 " "

60,857 grams per 28,000,000 c.c.

.001 grams per .4732 c.c. or 2/3 wt. of  $O_2$ .

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Standard Thiosulphate for Iodine (Ozone).

10.338 gm.  $Na_2S_2O_3 \cdot 5H_2O$  per litre.

1 c.c. = .001 gm. or .4732 c.c. Ozone

Shake well 10 c.c. of Eucozone with strong solution Potassium Iodide acidified with dilute  $H_2SO_4$ . . . Continue occasional shaking for 12 hrs. Then Titrate with Standard Thiosulphate until yellow color disappears.