

:(colorimetry) -

:

780 - 380

780

380 - 10

$(\frac{10^7}{\lambda} = 1)$ 3000 -

(λ)

$\frac{c}{\lambda} = (\nu) \text{ frequency}$

$\lambda / 10^{10} \times 3 = c$

(I_o) incident

transmitted light (I_t)

absorbed light (I_a)

(+ +) =

$I_o = I_r + I_a + I_t$

+ =

$I_o = I_a + I_t$

-:

Log ----- = abc

I_o

I_t

= I_o
 = I_t
 = a
 = b
 = c

: c b

$$\text{Log} \frac{I_o}{I_t} = a \times l \times l = a$$

: a

$$\text{Log} \frac{I_o}{I_t} = D = A$$

K a , b Bear - Lambert Law

:

$$\text{Log} \frac{I_o}{I_t} = KC = O.D = A$$

. % 100 (O.D)

.() :

$$\frac{I_o}{I_t} = 10^A$$

8 10 : - 1
 : - 2
 : - 3
 : - 4

A , T

.%

: _____

(K) .

$$O.D = KC \quad (C = \frac{O.D}{K})$$

24) 10

0.01

-1

(54 48 42 36 30

530

-2

-3

-4

-:

:

12	10	8	6	4	2	(ppm)
0.70	0.58	0.47	0.35	0.23	0.12	(O.D)

0.41