

Beer's Law

Beer's law describes the dependence of the absorption coefficient on the concentration of the substance (or the concentration of absorbing molecules in a non-absorbing solvent):

$$\alpha = \varepsilon \cdot C,$$

where α is the absorption coefficient, C is the concentration of absorbing molecules and ε is the **molar absorption coefficient** – a constant that characterizes the absorbing substance and depends on the wavelength of the passing monochromatic radiation (it is a function of it).

Links

Related articles

- Lambert-Beer law
- Absorbance

Source

- NAVRÁTIL, Leoš – ROSINA, Jozef. *Medicínská biofyzika*. 5. edition. 2005. 524 pp. ISBN 978-80-247-1152-2.