

absorbance, A

Logarithm of the ratio of incident to transmitted radiant power through a sample (excluding the effects on cell walls). Depending on the base of the logarithm a decadic and Napierian absorbance are used. Symbols: A , A_{10} , A_e . This quantity is sometimes called extinction, although the term extinction, better called attenuation, is reserved for the quantity which takes into account the effects of luminescence and scattering as well.

Source:

Green Book, 2nd ed., p. 32

See also:

PAC, 1996, 68, 2223 (*Glossary of terms used in photochemistry (IUPAC Recommendations 1996)*) on page 2226

PAC, 1990, 62, 2167 (*Glossary of atmospheric chemistry terms (Recommendations 1990)*) on page 2169