

Z-value

An index of the *ionizing power* of a solvent based on the frequency of the longest wavelength electronic absorption maximum of 1-ethyl-4-methoxy-carbonylpyridinium iodide in the solvent. The Z-value is defined by:

$$Z = 2.859 \times 10^4 / \lambda$$

where Z is in kcal mol⁻¹ and λ is in nm.

See also *Dimroth–Reichardt E_T parameter*, *Grunwald–Winstein equation*.

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