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Calorie 4 Degrees Celsius

National Cancer Institute

Source

National Cancer Institute. *Calorie 4 Degrees Celsius*. NCI Thesaurus. Code C68847.

A non-SI unit of energy defined as the amount of heat required to raise the temperature of one gram of pure water by one degree (from 3.5 to 4.5 C or from 276.65 to 277.65 K) under standard conditions with the specific heat of the water at 4 degrees Celsius and the constant pressure of 101.325 kPa or one atm being defined as unity. A value of the calorie at 4 degrees Celsius is defined as 4.2045 J. According to the current national standard in the United States (IEEE/ASTM SI 10TM 2002. American National Standard for Use of the International System of Units (SI): The Modern Metric System, New York: IEEE, 2002) the calorie in any form is not to be used. Joules should be used instead.