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Calorie 20 Degrees Celsius

National Cancer Institute

Source

National Cancer Institute. *Calorie 20 Degrees Celsius*. NCI Thesaurus. Code C68848.

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 19.5 to 20.5 C or from 292.65 to 293.65 K) under standard conditions with the specific heat of the water at 20 degrees Celsius and the constant pressure of 101.325 kPa or one atm being defined as unity. A value defined for the calorie at 20 degrees Celsius is 4.1819 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.