



**Food and Drug Administration Issues Approval for Pulsed UV Light in the Production, Processing and Handling of Food:**

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<http://www.cfsan.fda.gov/~lrd/FCF179.html>

Part 179 – IRRADIATION IN THE PRODUCTION, PROCESSING AND HANDLING OF FOOD

Subpart B – Radiation and Radiation Sources

Sec. 179.41 Pulsed light for the treatment of food

Pulsed light may be safely used for treatment of foods under the following conditions:

- (a) The radiation sources consist of xenon flashlamps designed to emit broadband radiation consisting of wavelengths covering the range of 200 to 1,100 nanometers (nm), and operated so that the pulse duration is no longer than 2 milliseconds (msec);
- (b) The treatment is used for surface microorganism control;
- (c) Foods treated with pulsed light shall receive the minimum treatment reasonably required to accomplish the intended technical effect; and
- (d) The total cumulative treatment shall not exceed 12.0 Joules/square centimeter ( $J/cm^2$ ).

[61 FR 42383, Aug. 15, 1996]

**Note:** *The reference to xenon flashlamps refers to flashlamps filled with Xenon (Xe) inert gas and is not intended as a recommendation of a particular flashlamp manufacturer.*