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2,3,7,8-Tetrachlorodibenzofuran, ¹³C-labeled,

¹³C₁₂H₄Cl₄O 317.84—Clear, colorless liquid.

• **Assay:** Inject an appropriate volume into a gas chromatograph (see [Chromatography \(621\)](#)) equipped with an electron-capture detector, helium being used as the carrier gas. The following conditions have been found suitable: a 0.32-mm × 60-m capillary column coated with a 1-μm layer of phase G27; the injection port temperature is maintained at 300°; the detector temperature is maintained at 350°; and the column temperature is maintained at 70° and programmed to rise 15° per minute to 275°. The area of the ¹³C₁₂H₄Cl₄O peak is not less than 99.0% of the total peak area.

[NOTE—A suitable grade is available from Cambridge Isotopes Laboratories (www.isotope.com).]

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
2,3,7,8-TETRACHLORODIBENZOFURAN, ¹³ C-LABELED	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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