

technical bulletin

Solution CBr₄™ An Improved Carbon Dopant

SAFC Hitech introduced Solution CBr₄™ in 2002 and this new source has been shown to offer a significant improvement in the dosimetry control and ultimate usage of the preferred carbon dopant carbon tetrabromide (CBr₄). The addition of an involatile hydrocarbon solvent to the solid precursor has proved to increase the efficiency and reproducibility of the transport of this source from a bubbler throughout its lifetime. When compared to solid CBr₄ a marked increase in stability is observed as shown in the figure below.

