The local structure of molten CdBr$_2$ was investigated by high temperature X-ray absorption fine structure (XAFS) analysis. The quartz cell designed for hygroscopic high temperature molten salts was successfully used in the measurement. At room temperature the nearest neighbor Cd$^{2+}$-Br$^-$ distance decreased from 2.71 Å in solid state to 2.60 Å in the molten state. The coordination number decreased from 6 to 4 on melting. The obtained structural parameters showed that (CdBr$_4$)$^{2-}$ is predominant in molten CdBr$_2$.

**Key words:** XAFS; Molten Salt; Structure; Synchrotron Radiation.