

Fig.1: TGA spectra of various kinds of N-based gallium molecules including GNP-7 (under 10 torr)

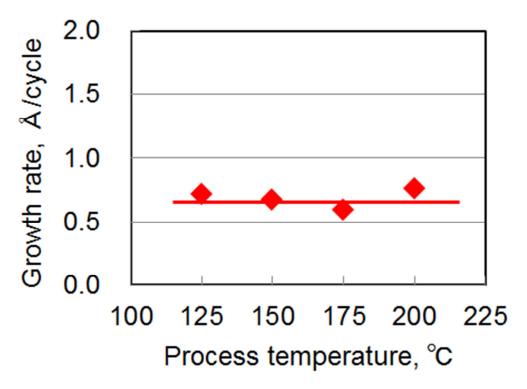


Fig.2: ALD growth rate of gallium oxide film on Si substrate using GNP-7 &  $H_2O$ .