

Enthalpy of Formation of Camphor By Bomb Calorimetry

Run	weight (g)	n (moles)	ΔT	m_{Fe} (g)	Q_{Fe} (J)	Q_{sys} (J)	C_{sys} (J/K)	Q_{cam} (J)	$\Delta_c U$ (kJ/mol)
benzoic 1									
benzoic 2									
camphor 1									
camphor 2									

C_{sys} (average value) _____ \pm _____ J/K

$\Delta_c U_{cam}$ (average value) _____ \pm _____ kJ/mol

Δn_{gas} _____ mol

$\Delta n_{gas} R T$ _____ kJ/mol

$\Delta_c H_{cam}$ _____ \pm _____ kJ/mol (enthalpy of combustion)

$\Delta_f H_{cam}$ _____ \pm _____ kJ/mol (enthalpy of formation)