

<u>Substance-trial</u>	M	Uncertainty in Mass (kg)	T <sub>i</sub> (°C)	Uncertainty in T <sub>i</sub> (°C)	Uncertainty in T <sub>f</sub> (°C)	ΔT (K)	Uncertainty in ΔT (K)	M <sub>w</sub> (Kg)	Uncertainty of M <sub>w</sub>	T <sub>i</sub> of water	Uncertainty of T <sub>i</sub> water	ΔT <sub>w</sub>	T <sub>f</sub>	Q (J)	C (JK <sup>-1</sup> K <sup>-1</sup> )	% error in C	Uncertainty in C
aluminium-1	0.042	±0.00001	48.0	±0.5	±0.5	23.0	±1.0	0.100	±0.00001	23.0	±0.5	2.0	25.0	836	865	54.33%	±500
Aluminium-2	0.042	±0.00001	48.0	±0.5	±0.5	23.0	±1.0	0.100	±0.00001	24.0	±0.5	4.0	25.0	1672	1731	29.382%	±509
Aluminium-3	0.042	±0.00001	48.0	±0.5	±0.5	19.0	±1.0	0.100	±0.00001	23.0	±0.5	6.0	29.0	2508	3174	21.964%	±687
Avg. Aluminium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	865	54.33%	±500
Copper (II)- 1	0.139	±0.00001	48.0	±0.5	±0.5	22.0	±1.0	0.100	±0.00001	23.0	±0.5	3.0	26.0	1254	438	37.89%	±165
Copper(II) - 2	0.139	±0.00001	48.0	±0.5	±0.5	22.0	±1.0	0.100	±0.00001	23.0	±0.5	3.0	26.0	1254	410	37.886%	±155
Copper (II) -3	0.139	±0.00001	48.0	±0.5	±0.5	22.0	±1.0	0.100	±0.00001	23.0	±0.5	3.0	26.0	1254	409	37.896%	±155
Avg. Copper	-	-	-	-	-	-	-	-	-	-	-	-	-	-	419	37.890%	±158
Zinc - 1	0.103	±0.00001	48.0	±0.5	±0.5	23.0	±1.0	0.100	±0.00001	23.0	±0.5	2.0	25.0	836	353	54.32%	±192
Zinc - 2	0.103	±0.00001	48.0	±0.5	±0.5	21.0	±1.0	0.100	±0.00001	23.0	±0.5	4.0	27.0	1672	773	29.78%	±230
Zinc - 3	0.103	±0.00001	48.0	±0.5	±0.5	22.0	±1.0	0.100	±0.00001	23.0	±0.5	3.0	26.0	1254	538	37.898%	±204
Avg. Zinc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	570	40.626%	±209