Table 4. Mean (± SD) of survival and mortality, mean (± SE) of the mineral contents of the abdominal muscle and the organoleptic attribute rating for the Northern shrimp *Pandalus borealis* in relation to elevated temperature, low pH and hypoxia. Treatment symbols correspond to 2C: 2 °C, pH 7.75, O_2 sat. 100%; 2A: 2 °C, pH 7.4, O_2 sat. 100%; 2CH: 2 °C, pH 7.75, O_2 sat. 35 %; 6C: 6 °C, pH 7.75, O_2 sat. 100%; 6A: 6 °C, pH 7.4, O_2 sat. 100%; 10C: 10 °C, pH 7.75, O_2 sat. 100%; 10A: 10 °C, pH 7.4, O_2 sat. 100%; 10AH: 10 °C, pH 7.4, O_2 sat. 35 %. Different letters above mean survival values represent significant differences between treatments. Low case letters and capital letters above mean mineral content values represent significant differences between treatments in design A and B, respectively. Organoleptic attributes were scored on a hedonic scale from 1 to 9, with 9 being the highest score.

	Number of individuals per treatment	2C	2A	2CH	6C	6A	10C	10A	10AH
Survival (%)	130	93.27 ± 1.20^{a}	89.16 ± 2.07^{ab}	90.77 ± 2.18^{ab}	84.62 ± 1.83^{b}	86.01 ± 6.73^{b}	85.28 ± 0.93^{b}	67.85 ± 3.64^{c}	36.92 ± 4.35^{d}
Mortality (%)		6.73 ± 1.20^{a}	10.84 ± 2.07^{ab}	9.23 ± 2.18^{ab}	15.38 ± 1.83^{b}	13.99 ± 6.73^{b}	14.72 ± 0.93^{b}	32.15 ± 3.64^{c}	63.08 ± 4.35^{d}
$[Ca^{2+}]$	10	32.41 ± 2.17^{ab}	31.26 ± 1.45^{ab}	30.71 ± 1.68	28.91 ± 2.62	30.12 ± 1.84^{b}	33.11 ± 1.24^{b}	40.80 ± 5.24^{a}	33.91 ± 3.08^{a}
$[Cu^{2+}]$	10	0.44 ± 0.05^{a}	0.49 ± 0.03^{a}	0.40 ± 0.02	0.46 ± 0.04^{b}	0.30 ± 0.03^{b}	0.45 ± 0.02^{a}	0.53 ± 0.04^{a}	0.39 ± 0.03
$[Fe^{2+}]$	10	0.049 ± 0.002^{A}	0.050 ± 0.003	0.052 ± 0.004^{A}	0.064 ± 0.012	0.047 ± 0.003	0.074 ± 0.018	0.067 ± 0.004^{B}	0.063 ± 0.005^{B}
$[Mg^{2+}]$	10	55.52 ± 0.86^{aA}	56.11 ± 0.77^{a}	57.17 ± 1.43^{A}	55.87 ± 1.08^{a}	58.70 ± 2.33^{a}	63.13 ± 0.96^{b}	63.98 ± 1.08^{bB}	59.01 ± 1.79^{B}
$[Mn^{2+}]$	10	0.0083 ± 0.0005	0.0085 ± 0.0005	0.0095 ± 0.0005	0.0092 ± 0.0009	0.0084 ± 0.0005	0.0097 ± 0.0006	0.0093 ± 0.0004	0.0088 ± 0.0009
$[Sr^{2+}]$	10	0.15 ± 0.01^{a}	0.15 ± 0.01^{a}	0.14 ± 0.01	0.14 ± 0.02^{a}	0.15 ± 0.01^{a}	0.15 ± 0.01^{b}	0.22 ± 0.04^{b}	0.16 ± 0.02
$[Zn^{2+}]$	10	0.77 ± 0.02^{a}	0.75 ± 0.01^{a}	0.75 ± 0.03	0.77 ± 0.02^{a}	0.73 ± 0.03^{a}	0.78 ± 0.02^{b}	0.85 ± 0.02^{b}	0.74 ± 0.02
$[K^{+}]$	10	371.81 ± 7.96^{aA}	357.91 ± 6.62^{a}	361.61 ± 10.32^{A}	364.85 ± 6.72^{a}	361.26 ± 8.43^{a}	404.29 ± 6.60^{b}	414.30 ± 7.61^{bB}	401.02 ± 10.01^{B}
Odor rating	42	7.58 ± 0.42		7.67 ± 0.29			7.50 ± 0.51	7.67 ± 0.40	
Texture rating	42	7.75 ± 0.27		7.92 ± 0.24			7.42 ± 0.55	7.33 ± 0.54	
Taste rating	42	6.33 ± 0.65		7.17 ± 0.59			6.83 ± 0.77	6.33 ± 0.54	
Appearance rating	42	7.33 ± 0.73		7.67 ± 0.41			7.0 ± 0.61	7.58 ± 0.70	