

Type of the Paper (Article, Review, Communication, etc.)

# Supplementary Material

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## Low Temperature Heat Capacity Data

The low temperature heat capacity data are according to **Table S.1**

**Table S1:** The experimental low temperature heat capacity data together with its estimated uncertainty of 5 %. This is a conservative estimate. The uncertainty in the temperature is less than 1 % for the temperature within this temperature range.

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$T$ [K]		[K]	$C_p$ [J mol <sup>-1</sup> K <sup>-1</sup> ]		[J mol <sup>-1</sup> ]
150.7	±	1.5	41300.8	±	2065.0
162.3	±	1.6	43615.5	±	2180.8
170.1	±	1.7	44972.1	±	2248.6
181.8	±	1.8	47076.3	±	2353.8
189.7	±	1.9	48263.5	±	2413.2
197.5	±	2.0	49416.6	±	2470.8
201.4	±	2.0	50054.6	±	2502.7
213.2	±	2.1	51834.6	±	2591.7
225.0	±	2.3	53323.1	±	2666.2
232.9	±	2.3	54474.8	±	2723.7