

CORRECTION

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Correction: Thermal response and thermochromism of methyl red-based copolymer systems – coupled responsiveness in critical solution behaviour and optical absorption properties

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Correction for 'Thermal response and thermochromism of methyl red-based copolymer systems – coupled responsiveness in critical solution behaviour and optical absorption properties' by Thorben Gwydion Jaik et al., *Polym. Chem.*, 2022, DOI: 10.1039/D1PY01361K.

The Royal Society of Chemistry regrets the incorrect colour scheme applied in Table 7 in the original manuscript. The corrected version of Table 7 of this paper is shown below.

Table 7 Overview of the relevant parameters obtained from van't Hoff analyses of thermochromic solutions of methyl red-based monomers and different polymer systems. "a", "b", and "c term" refer to the raw data from the van't Hoff analyses and the colour code is applied to distinguish categories of thermo-halochromic systems with similar behaviour, both discussed in the main text

System	Solvent	Acid	a term	b term	c term	ΔH_0 [kJ]	ΔC_p [kJ K ⁻¹]	Linearity factor [°C]
<i>o</i> -MREAm	EtOH	130 mM TFA	−55.7	0.071	−13.7	−34	−0.11	47
<i>m</i> -MREAm	EtOH	130 mM TFA	−56.7	0.062	−13.0	−32	−0.11	84
<i>p</i> -MREAm	EtOH	130 mM TFA	−41.8	0.054	−10.0	−25	−0.08	62
<i>o</i> -MREAm	H ₂ O : EtOH	2.2 mM HCl	155	−0.081	31.4	78	0.26	26
<i>m</i> -MREAm	H ₂ O : EtOH	11 mM HCl	102	−0.049	20.4	51	0.17	33
<i>p</i> -MREAm	H ₂ O : EtOH	5.9 mM HCl	125	−0.063	25.3	63	0.21	28
P1	EtOH	130 mM TFA	−55.5	0.063	−13.2	−33	−0.11	83
P1	H ₂ O	0.13 mM TFA	13.0	0.016	1.48	3.7	0.01	45
P1gel	H ₂ O	1.3 mM TFA	−11.6	0.024	−3.23	−8.0	−0.03	97
P2	EtOH	130 mM TFA	−55.4	0.061	−13.0	−32	−0.11	92
P2	H ₂ O	0.13 mM TFA	14.8	0.023	1.51	3.7	0.01	36
P2gel	H ₂ O	1.3 mM TFA	−52.7	0.066	−12.6	−31	−0.11	51
P2b	H ₂ O	0.13 mM TFA	−538	0.46	−119	−295	−0.99	29
P3	H ₂ O	MAA	18.7	0.014	2.79	6.9	0.02	39
P3gel	H ₂ O	MAA	−73	0.076	−16.6	−41	−0.14	75
P4 0.15 g L ^{−1}	H ₂ O	MAA	−367	0.35	−82.2	−204	−0.68	23
P4 0.2 g L ^{−1}	H ₂ O	MAA	−544	0.48	−120	−298	−1.00	27
P4 0.3 g L ^{−1}	H ₂ O	MAA	−633	0.55	−139	−345	−1.2	30
P4gel	H ₂ O	MAA	−1950	1.53	−422	−1046	−3.51	−34

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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