

Transference numbers of Sm^{3+} ion in aqueous electrolyte solutions

Table 1.7.3 Transference numbers for ions in aqueous electrolyte solutions

Ion	<i>t</i>	T [K]	Electrolyte	<i>c</i> ¹ [mol · dm ⁻³]	Ref.
Sm^{3+}	0.4648	25 °C	SmBr_3	0.0026	[52Spe3]
	0.4637	25 °C	SmBr_3	0.0032	[52Spe3]
	0.4598	25 °C	SmBr_3	0.0053	[52Spe3]
	0.4507	25 °C	SmBr_3	0.0158	[52Spe3]
	0.4430	25 °C	SmBr_3	0.0264	[52Spe3]
	0.4399	25 °C	SmBr_3	0.0316	[52Spe3]
	0.442	25 °C	SmBr_3	0.0333	[33Haa]

¹Concentrations are molar (units: mol · dm⁻³), molal concentrations are given in italics (units: mol · kg⁻¹), other concentrations as specified

Symbols and Abbreviations

Short form	Full form
<i>t</i>	transference number
<i>T</i>	temperature
<i>c</i>	molar concentration

References

- [33Haa] Haas, D., Rodebush, W.H.: J. Am. Chem. Soc. **55** (1933) 3238.
 [52Spe3] Spedding, F.H., Porter, R.E., Wright, J.M.: J. Am. Chem. Soc. **74** (1952) 2778.