

Single ion conductivities of Mn²⁺ ion in aqueous electrolyte solutions at infinite dilution

Table 1.7.4 Single ion conductivities of ions in aqueous electrolyte solutions at infinite dilution

Ion	$\lambda_0[\Omega^{-1}\text{m}^2\text{mol}^{-1}]$	$T[\text{K}]$	$\lambda_0[\Omega^{-1}\text{m}^2\text{mol}^{-1}]$	$T[\text{K}]$	$\lambda_0[\Omega^{-1}\text{m}^2\text{mol}^{-1}]$	$T[\text{K}]$	Ref.
Mn							
Mn ²⁺	$54 \cdot 10^{-4}$	0 °C	$89.0 \cdot 10^{-4}$	18 °C	$107.0 \cdot 10^{-4}$	25 °C	[36Lan]
	$27.0 \cdot 10^{-4}$	0 °C					[41Lan]
	$88 \cdot 10^{-4}$	18 °C					[15Hey]
	$89.0 \cdot 10^{-4}$	18 °C					[36Lan]

Symbols and Abbreviations

Short form	Full form
T	temperature
λ_0	ionic conductance at infinite dilution

References

- [15Hey] Heydweiller, A.: Z. Physik. Chem. **89** (1915) 281.
 [36Lan] Landolt-Börnstein: Physikalisch-Chemische Tabellen, Erg.-Band IIIc 1936.
 [41Lan] Lange, J.: Z. Physik. Chem. A **188** (1941) 284.