

Molar conductivity can be calculated from the specific conductivity  $\kappa$  and the concentration  $C$  (in mol per l) of the substance in the electrolyte solution:

$$\Lambda = \frac{\kappa}{C}$$

As  $C = 1 \text{ mol/l}$   $\Lambda$  of  $\text{K}_2\text{SO}_4$  equals  $\kappa$  of this solution.

$$\Lambda = \kappa$$