

# **Osmolalita parenterálních přípravků s obsahem neelektrolytů**

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## **Summary**

In the theoretical part of theses, the problematic of formulation of parenteral products is summarized. The pharmacopoeial information about osmolality and osmolarity of solutions is also presented.

In the experimental part, there are summarized results of pycnometric measurement of density and measurement of osmolality by osmometer for chosen aqueous solutions of used nonelectrolytes (fructose, glucose, lactose, mannitol and sorbitol) in graduated molality within the range of 0,1 - 1,0 mol/kg. There changes in volume of solution relating to the dissolution of investigated substances in relation to concentration of aqueous solutions were expressed. Methods of the determination of the theoretical and actual osmolarity from the measured osmolality were reported.