

## **The «Threshold Concentrations» are the Clue Points in the Behavior of High Diluted Aqueous Solutions.**

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High diluted aqueous solutions with different extents of dilutions in two regimes were investigated: keeping of prepared solutions 18–24 hours before measurement without shielding (common condition) or with shielding from low frequency electromagnetic influence by permalloy container (permalloy condition). It has been shown that in high diluted aqueous solutions in permalloy condition after (by dilution) so called «threshold concentrations» ( $10^{-5}$ – $10^{-9}$  M) there are not formation nanoassociates and manifestation of «abnormal» physical-chemical and biological properties, which there are in common condition. So, namely the threshold concentrations are the clue points in the behavior of high diluted aqueous solutions. Beginning from these points the manifestation of «abnormal» physical-chemical and biological properties of high diluted aqueous solutions begin as consequence of formation of nanoassociates under influence of low frequency electromagnetic fields.

Literature:

*A.I.Konovalov, I.S.Ryzhkina, Russ. Chem. Bull. Int. Ed. 2014, №1, S.1*