



13.18. Why can't the dishes made of aluminum be used to prepare soups, storage of pickled cabbage, pickled cucumber, bitter milk and cream?

13.19. Medicines like aluminum hydroxide ( $\text{Al}(\text{OH})_3$ ) and "Almagel" is applied in cases of increased acidity of gastric juice. The aim is to neutralize the hydrochloric acid of the gastric juice. Calculate the mass of medicine that represents a gel with a 4%  $\text{Al}(\text{OH})_3$ , by mass, that can be neutralized by 0.365% and 250 mL hydrochloric acid by mass, and prepared on the base of aluminum hydroxide solution (with same density of water).

13.20. Alum,  $\text{KAl}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$ , is externally applied in a form of 1% solution for gargling, is used in washing in cases of swelling pain of skin and mucosa. What is the mass of aluminum oxide in alum? Calculate the mass of alums of necessary to prepare a solution with a mass of 2 kg.

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