



The molecular formula for bahboric acid is C₁₉ H₂₀ O₇. The structural formula for bahboric acid in attach.

The concentration of LHK Salt is:

$$c(\text{acids}) * V(\text{acids}) = c(\text{salt}) * V(\text{salt})$$

$$c(\text{salt}) = (0.1 + 0.05) * 0.5 \text{ L} / 0.01 \text{ L} = 7.5 \text{ N}$$

The most suitable indicator for the titration is Cresol red (pH range: 7.2-8.8).