

## Solution

All of 0.0094 mol substance react, so salicylic acid is basic substance. Yield calculation is made over this substance.

## 企



## Solution



$$
\text { with } \% 78.84 \text { yield. }
$$

Example 2 (Calculation of yield over mole in $p$-aminobenzenesulfonamide synthesis reaction)
191.6 g p -aminobenzenesulfonyl chloride and 500 ml ammonia were reacted to yield $135.7 \mathrm{~g} p$-aminobenzenesulfonamide. Calculate the yield of the reaction according to these data.


