

**The yield of the target product ( $\eta$ )** is the ratio of the mass (quantity) of the obtained product to the mass of raw materials spent on its production.

## Z

**Zeolites** are natural or synthetic aluminosilicates which crystal structure contains regular system of cavities and channels with sizes of 0.2-1.5 nm. The structure of zeolites represents a three-dimensional framework from tetrahedral fragments  $[\text{SiO}_4]$  and  $[\text{AlO}_4]$  at which there are counterion (cations of metals,  $\text{H}^+$ ,  $\text{NH}_4^+$ , etc.) compensating a negative charge. Zeolites are used in catalysis as solid acids, in particular, as an active component of catalysts of cracking.