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- 4) Detach the filter from the suction filter and dry the filter at room temperature.
- 5) Sufficiently wash the sample with methanol. After drying weigh the mass, subtract it from the mass obtained in <sup>1)</sup> and make it the dissolved amount of the sample.

#### **A.5.2 Decomposition of insoluble residue**

Transfer the insoluble residue obtained in A.5.1 a), A.5.1 b), A.5.1 c) or A.5.1 d) into an Erlenmeyer flask (300 ml) with polycarbonate membrane filter, and add 10 g of potassium sulfate and 20 ml of sulfuric acid. After vaporizing the moisture by moderate heating, mount a funnel on the mouth of the flask, let it generate the white fumes of sulfuric acid by heating for about 1 h and decompose the insoluble residue, etc. After allowing to cool down to room temperature, add 10 ml of water little by little and eliminate sulfur dioxide by boiling for a while. Cool it to room temperature.

#### **A.5.3 Determination of nitrogen**

The determination of nitrogen in the solution obtained in A.5.2 shall be according to any of the following.

- a) Ammonia distillation separation amidosulfuric acid titration method According to Annex 1 of MMS G 128.
- b) Ammonia distillation separation bis (1-phenyl-3methyl-5pyrazolone) absorptiometry According to Annex 2 of MMS G 1228.
- c) Ammonia distillation separation indophenol blue absorptiometry According to Annex 3 of MMS G 1228.