

Sulphuric Acid Quality – It all start in the beginning

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Abstract

The quality of sulphuric acid has become of greater experience to many acid producers, as the higher acid quality results in better prices on the market. This applies to sulphuric acid coming from smelter operations as well as from plants based on the combustion of sulphur.

Impurities in the sulphur or in the metallurgical feed-gas (e.g. dust, fumes) influence the acid quality and need to be removed in order to achieve the required acid quality.

Furthermore the treatment respectively the cleaning of the feedstock is essential for the proper operation of the sulphuric acid plant.

In this presentation current technologies for assuring the quality of acid will be discussed for both sulphur burning and metallurgical acid plants will be presented. Hereby the focus will be on the cleaning of the feedstock as well as on different options for the treatment of the product acid.