



## ASTM E 223

### Standard Test Methods for Analysis of Sulfuric Acid

These test methods cover the analysis of sulfuric acid. These test methods provide the classification of various grades of sulfuric acid and for the determination of various impurities. Acid strength and impurity levels are important factors in many uses of sulfuric acid.

**Total Acidity:** This test method covers the determination of the total acidity of 75 to 99% sulfuric acid. Two test methods are given for weighing the sample, namely, the Dely tube and the snake tube test methods.

**Baumé Gravity:** This test method covers the determination of the Baumé gravity of concentrated sulfuric acid by means of a glass hydrometer in the range from 57 to 66.2° Baumé. This test method is not applicable to readings above 66.2 Baumé gravity units.

**Nonvolatile Matter:** This test method covers the gravimetric determination of nonvolatile matter in sulfuric acid.

**Iron:** This test method describes the determination of iron in sulfuric acid.

**Sulfur Dioxide:** This test method covers the determination of free sulfur dioxide dissolved in sulfuric acid.

**Arsenic:** This test method describes the colorimetric determination of arsenic in sulfuric acid.

If you have any questions concerning this particular ASTM method, please feel free to give our office a call at (800) 334-5432 or email us your inquiry at [info@nhml.com](mailto:info@nhml.com).

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