



CORPORATE PURCHASING SPECIFICATION

AA 541 01

Rev. No. 03

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SULPHURIC ACID – TECHNICAL**1.0 GENERAL:**

This specification governs the quality requirements of Sulphuric acid, technical grade.

2.0 APPLICATION:

For use in laboratory.

3.0 COMPLIANCE WITH NATIONAL STANDARDS:

The acid shall comply with the requirements of the following National standards and also meet the requirements of this specification:

IS: 266 - 1993 : Sulphuric acid.

4.0 TEST SAMPLES:

As per IS: 266.

5.0 CHEMICAL PROPERTIES:

When tested as per the relevant clauses of IS: 266, the acid shall show the following properties:

- | | |
|--|-----------------------|
| i) Total acidity (as H ₂ SO ₄) | : 98%, min. by mass |
| ii) Residue on ignition | : 0.2%, max. by mass |
| iii) Iron (as Fe) | : 0.05%, max. by mass |

6.0 TEST CERTIFICATE:

Three copies of the test certificates shall be supplied unless otherwise stated in the order. In addition, the supplier make sure to send one copy of test certificate along with despatch documents to facilitate quick clearance of the material.

The test certificates shall bear the following information.

Revisions :

Cl: 32.11.26 of MOM of MRC-CPO

APPROVED :

**INTERPLANT MATERIAL
RATIONALISATION COMMITTEE-MRC (CPO)**

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BHEL'S Reference:

BHEL Order No:

AA 541 01, Rev No. 03: Sulphuric acid, technical.

Supplier's Reference:

Manufacturer's/Supplier's Name

Batch / Lot No

Date of manufacture and expiry, if any

Test Results:

Results of clause 5.0.

7.0 PACKING AND MARKING:

As per IS:266.

8.0 ENVIRONMENTAL REQUIREMENTS :

The supplier shall furnish Material Safety Data Sheet (MSDS) covering all information relating to human safety and environmental impacts of the hazardous materials particularly during their transportation, storage, handling and disposal alongwith each supply.

Each container shall be marked with corresponding symbol and minimum worded cautionary notice for flammable / corrosive / toxic / harmful / irritant and oxidizing etc. as applicable.

9.0 REFERRED STANDARDS (Latest Publications Including Amendments):

1. IS:266