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SULPHURIC ACID – TECHNICAL

1 GENERAL

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

2 APPLICATION

For use in laboratory.

3 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 TEST SAMPLES

As per IS 266.

5 CHEMICAL PROPERTIES

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

- i) Total acidity (as H₂ SO₄) : 98%, min. by mass
- ii) Residue on ignition : 0.2%, max. by mass
- iii) Iron (as Fe) : 0.05%, max. by mass

6 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

BHEL'S Reference:

BHEL Order No:
AA54101 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.

Revisions: As per clause 32.11.23 of MOM of MRC-CPO			APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(CPO+NM)		
Rev No.03	Amd No.	Reaffirmed	Prepared HEP, Bhopal	Issued Corp.R&D	Dt. of 1 st Issue 01-01-1985
Dt:15-02-2004	Dt:	Year:			

**7 PACKING AND MARKING**

As per IS 266.

8 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 along with 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 REFERRED STANDARDS (Latest Publications Including Amendments)

Nil