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CORPORATE PURCHASING SPECIFICATION

AA54102

Rev No. 03

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NITRIC ACID - TECHNICAL

1 GENERAL

This specification governs the quality requirements of Nitric 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 264 - 2005: Nitric acid

4 TEST SAMPLES

The method of drawing representative samples shall be as given in Appendix B of IS 264.

5 CHEMICAL PROPERTIES

When tested as per the relevant clauses of IS 264, the acid shall show the following properties:

- | | |
|--|-----------------------|
| i) Total acidity (as HNO_3) | : 52%, min. by mass |
| ii) Residue on ignition | : 0.1%, max. by mass |
| iii) Sulphates (as H_2SO_4) | : 0.2%, max. by mass |
| iv) Chloride (as Cl) | : 0.03%, max. by mass |

6 TEST CERTIFICATE

Three copies of the test certificates shall be supplied unless otherwise started 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:

AA54102, Rev No. 03: NITRIC ACID - TECHNICAL

Supplier's Reference:

Manufacturer's/Supplier's Name

Batch / Lot No.

Date of manufacture and quantity supplied

Test Results:

Results of clause 5

Revisions:
As per clause 44.3.b) of MOM of MRC-CPO+NM

APPROVED:
INTERPLANT MATERIAL RATIONALISATION
COMMITTEE & MRC(CPO+NM)

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Reaffirmed

Prepared
HEP, Bhopal

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Corp.R&D

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01-01-1985

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Dt:

Year:

**7 PACKING AND MARKING**

As per IS 264

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