

	CORPORATE PURCHASING SPECIFICATION	AA54102 Rev No. 03 PAGE 1 of 2								
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: <table style="width: 100%; border: none;"> <tr> <td style="width: 40%;">i) Total acidity (as H NO₃)</td> <td>: 52%, min. by mass</td> </tr> <tr> <td>ii) Residue on ignition</td> <td>: 0.1%, max. by mass</td> </tr> <tr> <td>iii) Sulphates (as H₂ SO₄)</td> <td>: 0.2%, max. by mass</td> </tr> <tr> <td>iv) Chloride (as Cl)</td> <td>: 0.03%, max. by mass</td> </tr> </table> 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			i) Total acidity (as H NO ₃)	: 52%, min. by mass	ii) Residue on ignition	: 0.1%, max. by mass	iii) Sulphates (as H ₂ SO ₄)	: 0.2%, max. by mass	iv) Chloride (as Cl)	: 0.03%, max. by mass
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Revisions: As per clause 44.3.b) of MOM of MRC-CPO+NM		APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(CPO+NM)								
Rev No.03	Amd No.	Reaffirmed								
Dt:21-09-2015	Dt:	Year:								
Prepared HEP, Bhopal		Issued Corp.R&D								
		Dt. of 1 st Issue 01-01-1985								

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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