



CORPORATE PURCHASING SPECIFICATION

AA 541 04

Rev. No. 04

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CHROMIC ACID – ELECTRO PLATING GRADE

1.0 GENERAL:

This specification governs the quality requirements of Chromic acid, electroplating 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: 330 – 1992, Gr.: Electroplating: Chromium Trioxide.

4.0 TEST SAMPLES:

As per IS: 330.

5.0 CHEMICAL PROPERTIES:

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

- i) Chromium trioxide (as CrO_3) : 98.5%, min. by mass
- ii) Matter insoluble in water : 0.15%, max. by mass
- iii) Sulphates (as SO_4) : 0.20%, max. by mass
- iv) Chloride (as Cl) : 0.05%, max. by mass

6.0 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.

Revisions :

Cl: 37.1.17 of MOM of MRC-CPO

APPROVED :

INTERPLANT MATERIAL RATIONALISATION
COMMITTEE-MRC (CPO+NM)

Rev. No. 04

Amd.No.

Reaffirmed

Prepared

Issued

Dt. of 1st Issue

Dt: 01.09.2009

Dt :

Year :2018

HARIDWAR

Corp. R&D

JANUARY, 1987

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BHEL'S Reference:
 BHEL Order No:
 AA 541 04, Rev No. 04: Chromic acid – Electroplating grade

Supplier's Reference:
 Manufacturer's/Supplier's Name
 Batch / Lot No
 Date of manufacture and expiry, if any

Test Results:
 Results of clauses 5.0 .

7.0 PACKING AND MARKING:
 As per IS:330.

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 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.

9.0 REFERRED STANDARDS (Latest Publications Including Amendments):
 1. IS:330