

105

FORMAT FOR SYNOPSIS OF INDIAN STANDARDS

Number and Title of the Indian Standard	IS 798 : 2019 Doc No. CHD 1 (14752)F ORTHOPHOSPHORIC ACID — SPECIFICATION (Third Revision)
a) Scope:	This standard prescribes the requirements and the methods of sampling and test for orthophosphoric acid.
b) Salient features of content:	For the analytical reagent grade, a new requirement of manganese and its method of test were prescribed. In this revision, the requirements of nitrates, molybdenum, mercury and aluminium along with their methods of test have been incorporated in view of presence of such impurities in the imported orthophosphoric acid and such impurities have reported hazards to health and environment. Various instrumental test methods have been added as Alternate Methods. Ion Chromatography for the analysis of chlorides & sulphates and Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) Method for the determination of Lead, Iron, Calcium, Magnesium, Manganese, Arsenic, Molybdenum, Aluminium and Mercury have been reported. Also, the existing method of test for Calcium and Magnesium has been deleted because of method prescribed being of qualitative analytical nature and Instrumental test methods have been included for the same. The requirement for technical sub grade 1 and 2, chloride content have been reduced to 200 parts per million (max) and sulphate content reduced to 300 parts per million (max). Test method for manganese has also modified.
c) Types/grades/classes, if any covered in the standard:	-
d) Disclaimer (to be automatically provided by the program/software)	-