

SYNOPSIS

	Number and Title of the Indian Standard	IS 17320:2020 Nickel, Ferronickel and Nickel Alloys – Determination of phosphorus Content—Phosphovanadomolybdate Molecular Absorption Spectrometric Method
a)	Scope	The ^{Indian} International Standards specifies a molecular absorption spectrometric method for the determination of the phosphorus content in nickel, ferronickel and nickel base alloys in the range of 0,0005 percent (m/m) to 0,05 percent (m/m). Arsenic, chromium, hafnium, niobium, silicon, tantalum, titanium and tungsten interfere, but the interferences can be avoided by complexation or volatilisation (for Cr). The lowest phosphorus content [0,0005 percent (m/m) can only be reached in samples with low contents of the interfering elements.
b)	Salient features of content	This Standard includes Principle, Reagents, Apparatus, Sampling and samples, Procedure, Expression of Results and Test Report.
c)	Type/Grade/Class if any, covered in Indian Standard Specification	-
d)	Disclaimer	-