



INDICATIVE SPECIFICATION

Name: *Phosphoric Acid*

Molecular Formula: H_3PO_4

Molecular Weight: 97.99

Property: *It is in Colorless, transparent and syrupy liquid or rhombic crystalline; It is odorless and tastes very sour; its melting point is 42.35 and when heated to 300 it will become into meta phosphoric acid; its relative density is 1.834; it is easily soluble in water and resolves in ethanol; it may irritate human skin to cause phlogosis and destroy the issue of human body; it shows corro-siveness being heated in ceramic vessels; it has got hygroscopicity.*

Specification:

	Item	Food Grade (index)
Appearance	<i>Colorless or in very light color, transparent syrupy liquid</i>	
Colour	$\leq$	20
Main Content (H_3PO_4)	$\geq$	85.0%
Chloride (as Cl)	$\leq$	0.0005%
Sulphates (as SO_4^{2-})	$\leq$	0.008%
Arsenic (As)	$\leq$	0.0001%
Heavy metals (as Pb)	$\leq$	0.001%
Fluoride (as F)	$\leq$	0.001%
Easily oxidable matter (as H_3PO_4)	$\leq$	0.04%

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Contd...

Packing & Storage:

Packed in 35kg or 330kg net plastic drums.

During transportation or storage, the inner cover as well as the outer cover of the packing drums must be well sealed. It is classified as a hazardous product of the 2nd class of risk. It is easily frozen in winter season.

Application:

Technical grade phosphoric acid may be used to produce variety of phosphates, electrolyte treatment liquids or chemical treatment liquids, refractory mortar with phosphoric acid and inorganic coheretant. It is also used as a catalyst, drying agent and cleaner. In coating industry it is used as a rust-proof coating for metals; As a acidity regulator and nutrition agent for yeast food grade phosphoric acid may be applied to flavors, canned food and light drinks as well as used in wine brewery as a nutrients source for yeast to prevent the reproduction of useless bacteria