PHOSPHORIC ACID:

Phosphoric acid is deliberately added to soft drinks to give them a sharper flavor. It also slows the growth of molds and bacteria, which would otherwise multiply rapidly in the sugary solution.

Almost all of the acidity of soda pop comes from the phosphoric acid and not from the carbonic acid from the dissolved CO2. You can verify this by measuring the pH of fresh and flat soda pop; there's very little difference.

Chemical names Phosphoric acid, orthophosphoric acid

C.A.S. number 7664-38-20

Chemical formula H3

PO4

Formula weight 98.00

Assay Not less than 75%, and not less than the minimum or within the range of

percent claimed by the vendor

