

## **Elements contents**

The average of elements contents of different kidney stone samples collected from Sudanese patients (from 1 to 20), tap water (21), black tea (22), and sodium chloride (NaCl) (23) determined by Inductively Coupled Plasma - Optical Emission Spectrometer (ICP-OES) were shown in Table (3-1), (3-2), and (3-3). The result of elements concentration of the different kidney stones samples ( 1-20 ), tap water (21), black tea (22), and sodium chloride (NaCl) (23) gave indication to the concentration of element.

The content of ( Ba) was high in samples (2,6,11,12,18, and black tea (22)). (see Figure 3- 1, and 3-2).

Samples number (2, 4, 5, 7, 11, 12, 15, 16, 17, and 18) see increase in Ca element. (see Figure 3- 3, And 3-4).

Samples number (9, 11, 18, and 20) see increase in Cr element. (see Figure 3- 5, and 3-6).

Samples number (3, 4, 5, 6, 8, 12, 13, 14, 16, 18, 20 and black tea 22) see increase in Cu element. (see Figure 3- 7, And 3-8).

Samples number (1, 3, 7, 17 and black tea 22) see increase in Fe element. (see Figure 3- 9, And 3-10).

Samples number (1, 7, 8, 15, 17,19, and black tea 22). see increase in K element (see Figure 3- 11, And 3-12).

Samples number (18, black tea (22), and table salt (23) ) see increase in Mg element (see Figure 3- 13, And 3-14).

samples number (12, 14, 16, 18, 20, and black tea (22)) see increase in Mn element (see Figure 3- 15, And 3-16).

Sample number (18) see increase in Mo element. (see Figure 3- 17, And 3-18).

Sample number (19, black tea (22), and table salt (23)) see increase in Na element (see Figure 3- 19, 3-20, And 3-21).

Samples number (2, 5, 11, 12, 18, and black tea (22)) see increase in P element. (see Figure 3- 22, And 3-23).

Samples number (6, and 18) see increase in Pb element. (see Figure 3- 24, And 3-25).

samples number (2, 6, 8, 9, 10, 20 and black tea (22)) see increase in Se element. (see Figure 3- 26, And 3-27).

samples number (2, 11, and 18) see increase in Sr element. (see Figure 3- 28, And 3-29).

samples number (2, 5, 10,12, 13, and 19) see increase in Zn element. (see Figure 3- 30, And 3-31).

Sample number (22) (black tea) see increase in Ag element. (see Figure 3- 32).

Sample number (22) (black tea) see increase in Al element. (see Figure 3- 33).

Sample number (1, and black tea (22)), see increase in B element. (see Figure 3-34).

Sample number ((22) black tea, and table salt (23) see increase in Be element. (see Figure 3-35).

Sample number ((22) black tea, and table salt (23) see increase in Cd element. (see Figure 3-36).

Sample number (7, 15, and 17) see increase in Co element. (see Figure 3-37).

Sample number (22) (black tea) see increase in Li element. (see Figure 3-38).

Sample number (22) (black tea) see increase in Ni element. (see Figure 3-39).

Sample number (1, and black tea (22)), see increase in Si element. (see Figure 3-40).

Sample number (22) (black tea) see increase in Ti element. (See Figure 3-41).