Vitamins are essential micronutrients necessary for the proper functioning of metabolism and immune system. Vitamin deficiencies can cause serious conditions & diseases that could affect long-term health. Since vitamins mostly cannot be synthesized in the organism, they must be obtained through food. There are 13 types of vitamins considered vital for humans. Apart from fruit and vegetables, they are present in fish, meat, cereals, nuts and dairy products. In addition, some foods are artificially enriched with added vitamins and specialised food supplements are available on the market.

**Fat-soluble vitamins**

- Vitamin A (Retinol)
- Vitamin E (Alpha-Tocopherol)
- D2 (Ergocalciferol)
- D3 (Cholecalciferol)
- Vitamin K1 (Phyllquinonine)
- Vitamin K3 (Menadione)
- β-karoten (Pro-vitamin A)

**Water-soluble vitamins**

- Vitamin C (Ascorbic Acid)
- Vitamin B1 (Thiamine hydrochloride)
- Vitamin B2 (Riboflavin)
- Vitamin B3 (Niacin)
- Vitamin B5 (Pantothenic Acid)
- Vitamin B6 (Pyridoxine Hydrochloride)
- Vitamin B9 (Folic Acid)
- Vitamin B7 (Biotin)
- Vitamin B12 (Cyanocobalamin)


**What can ALS offer?**

- A wide scope of accredited analyses of vitamins in food, dietary supplements and cosmetics
- Analyses of food for special dietary needs, such as baby food, the quality of which is subject to individual requirements
- Modern and separate rooms for the analysis of samples to secure stability of vitamins
- Rapid turnaround times and accurate methods using modern instrumentation such as HPLC and ELISA
- Professional and highly skilled staff
- User-friendly logistics
- Online order tracking system

For more information, please contact us by tel: +420 226 226 998 or e-mail: czsupport.food@alsglobal.com.