

Vitamin B Complex Syrup

241 Nontoxic nodular goiter afda6b74cc Food sources of thiamine include whole grains, legumes, and some meats and fish. Grain processing removes much of the vitamin content, so in many countries cereals and flours are enriched with thiamine. Supplements and medications are available to treat and prevent thiamine deficiency and the disorders that result from it such as beriberi and Wernicke encephalopathy. They are also used to treat maple syrup urine disease and Leigh syndrome. Supplements and medications are typically taken by mouth, but may also be given by intravenous or intramuscular injection. afda6b74cc 240.9 Goiter, unspec. afda6b74cc 244.9 Hypothyroidism, unspec. afda6b74cc == Classification == afda6b74cc

Agave syrup Blue agave syrup contains 56% fructose and 12% glucose as sugars providing sweetening properties. blue agave syrup supplies 1,297 kilojoules (310 kilocalories) of food energy and is a moderate source of vitamin C and several B vitamins (table). It Agave syrup, also known as maguey syrup or agave nectar, is a sweetener commercially produced from several species of agave, including Agave tequilana (blue agave) and Agave salmiana afda6b74cc

244.1 Hypothyroidism, post-ablative afda6b74cc Thiamine supplements are generally well tolerated. Allergic reactions, including anaphylaxis, may occur when repeated doses are given by injection. Thiamine is on the World Health Organization's List of Essential Medicines. It is available as a generic medication, and in some countries as a non-prescription... afda6b74cc

Maple syrup Maple syrup is a sweet syrup made from the sap of maple trees. In cold climates these trees store starch in their trunks and roots before winter; the starch Maple syrup is a sweet syrup made from the sap of maple trees. Maple trees are tapped by drilling holes into their trunks and collecting the sap, which is heated to evaporate much of the water, leaving the concentrated syrup. In cold climates these trees store starch in their trunks and roots before winter; the starch is then converted to sugar that rises in the sap in late winter and early spring afda6b74cc

Nutritional yeast It is sold in the form of yellow flakes, granules, or powder, and may be found in the bulk aisle of natural food stores. Nutritional Nutritional yeast (informally called nooch) is a deactivated (i. It is often fortified with vitamin B12. It is used in vegan and vegetarian cooking as an ingredient in recipes or as a condiment. source of some B-complex vitamins and contains trace amounts of several other vitamins and minerals. , dead) yeast, often a strain of Saccharomyces cerevisiae, that is sold commercially as a food product. e afda6b74cc

Sugarcane The plants are 2–7 m (6–20 ft) tall with stout, jointed, fibrous stalks that are rich in sucrose, which accumulates in the stalk internodes. citric acid. It is native to New Guinea. Sugarcanes belong to the grass family, Poaceae, an economically important flowering plant family that includes maize, wheat, rice, and sorghum, and many forage crops. Both forms of molasses are Sugarcane or sugar cane is a species of tall, perennial grass (in the genus Saccharum, tribe Andropogoneae) that is used for sugar production. Purer molasses syrups are sold as molasses, and may also be blended with maple syrup, invert sugars, or corn syrup afda6b74cc

Methylmalonic acidemias Orphanet. "Vitamin B12-responsive methylmalonic acidemia type cbIB". Retrieved 2024-04-27. This leads to a buildup of a toxic level of methylmalonic acid in body liquids and tissues. Due to the disturbed branched-chain amino acids (BCAA) metabolism, they are among the classical organic acidemias. "Vitamin B12-responsive methylmalonic acidemia type cblA". Methylmalonic acidemias, also called methylmalonic acidurias, are a group of inherited metabolic disorders, that prevent the body from properly breaking down proteins and fats afda6b74cc

246 Other disorders of thyroid afda6b74cc Nutritional yeast is produced by culturing yeast in a nutrient medium for several days. The primary ingredient... afda6b74cc == Commercial production == afda6b74cc 242.9 Hyperthyroidism, NOS afda6b74cc 245 Thyroiditis afda6b74cc Treatment is with either nicotinic acid or nicotinamide supplementation. Improvements typically begin within a few days. General improvements in diet are also frequently recommended. Decreasing sun exposure via sunscreen and proper clothing is important while the skin heals. Without treatment, death may occur. The disease occurs most commonly in the developing world, often as a disease of poverty associated with malnutrition, specifically sub-Saharan... afda6b74cc Nutritional yeast has a strong flavor described as nutty or cheesy for use as a cheese substitute. It may be used in preparation of mashed potatoes, tofu, or popcorn. afda6b74cc It is a source of some B-complex vitamins and contains trace amounts of several other vitamins and minerals. It is often fortified with vitamin B12. afda6b74cc There are five main... afda6b74cc 244.0 Hypothyroidism, post-surgical afda6b74cc == Production == afda6b74cc 245.0 Thyroiditis, acute afda6b74cc The first symptoms may begin as early as the first day of life or as late as adulthood. Symptoms can range from mild to life-threatening. Some forms can result in death if undiagnosed or left untreated. afda6b74cc

Pellagra Pellagra is a disease caused by a lack of the vitamin niacin (vitamin B3). Over time, affected skin may become darker, stiffen, peel, or bleed. Symptoms include inflamed skin, diarrhea, dementia, and sores in the mouth Pellagra is a disease caused by a lack of the vitamin niacin (vitamin B3). Areas of the skin exposed to friction and radiation are typically affected first. Symptoms include inflamed skin, diarrhea, dementia, and sores in the mouth afda6b74cc

Commercial orange juice with a long shelf life is made by pasteurizing the juice and removing the oxygen from it. This removes much of the taste, necessitating the later addition of a flavor pack, generally made from orange products. Additionally, some juice is further processed by drying and later rehydrating the juice, or by concentrating the juice and later adding water to the concentrate. afda6b74cc 240 Simple and unspecified goiter afda6b74cc

Thiamine Thiamine, also known as thiamin and vitamin B1, is a vitamin – an essential micronutrient for humans and animals. It is found in food and commercially synthesized to be a dietary supplement or medication. Phosphorylated forms of thiamine are required for some metabolic reactions, including the breakdown of glucose and amino acids afda6b74cc

242.0 Goiter toxic, diffuse afda6b74cc Methylmalonic acidemias are found with an equal frequency across ethnic boundaries. afda6b74cc

List of ICD-9 codes 240–279: endocrine, nutritional and metabolic diseases, and immunity disorders 0 Ariboflavinosis 266. 2 B12 deficiency w/o anemia 267 Ascorbic acid deficiency 268 Vitamin D deficiency 269 This is a shortened version of the third chapter of the ICD-9: Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders. Both volumes can be downloaded for free from the website of the World Health Organization. 266 Deficiency of B-complex components 266. The full chapter can be found on pages 145 to 165 of Volume 1, which contains all (sub)categories of the ICD-9. It covers ICD codes 240 to 279. Volume 2 is an alphabetical index of Volume 1 afda6b74cc

242 Thyrotoxicosis with or without goiter afda6b74cc To produce agave syrup from the Agave americana and A. tequilana plants, the leaves are cut off the plant after it has been growing for seven to fourteen years. The juice is then extracted from the core of the agave, called the piña. The juice is filtered, then heated to break the complex components (the polysaccharides) into simple sugars. The main polysaccharide is called fructan, a polymer of fructose molecules. This filtered juice is then concentrated to a syrupy liquid, slightly thinner than honey. Its color varies from light to dark amber, depending on the degree of processing. afda6b74cc Maple syrup is graded based on its colour and taste. Sucrose is the most prevalent sugar in maple syrup. In Canada syrups must be made exclusively from maple sap to qualify as maple syrup and must also be at least 66 per cent sugar. Maple syrup is often used as a condiment for pancakes, waffles, French toast, oatmeal or porridge. It is also used as an ingredient in baking and as a sweetener or flavouring agent.... afda6b74cc Nutritional yeast is a whole-cell inactive yeast that contains both soluble and insoluble parts, which is different from yeast extract. Yeast extract is made by centrifuging inactive nutritional yeast and concentrating the water-soluble yeast cell proteins which are rich in glutamic acid, nucleotides, and peptides, the flavor compounds responsible for umami taste. afda6b74cc 241.0 Thyroid nodule afda6b74cc 243 Congenital hypothyroidism afda6b74cc The health value of orange juice is debatable: it has a high concentration of vitamin C, but also a very high concentration... afda6b74cc 246.2 Thyroid cyst afda6b74cc 245.2 Thyroiditis, chronic, Hashimoto's afda6b74cc

Orange juice The orange juice Orange juice is a primarily liquid extract of the orange tree fruit, produced by squeezing or reaming oranges. added: sugar, sugar syrup, invert sugar, invert sugar syrup, dextrose, corn syrup, dried corn syrup, glucose syrup, and dried glucose syrup. In American English, the beverage name is often abbreviated as OJ. As well as variations in oranges used, some varieties include differing amounts of juice vesicles, known as "pulp" in American English, and "(juicy) bits" in British English. How juicy these vesicles are depend upon many factors, such as species, variety, and season. It comes in several different varieties, including blood orange, navel oranges, valencia orange, clementine, and tangerine. These vesicles contain the juice of the orange and can be left in or removed during the manufacturing process afda6b74cc

Agave salmiana is processed differently from Agave tequiliana. As the plant develops, it starts to grow a stalk called a qurote. The stalk is cut off before it fully grows, creating a hole in the center of the plant that fills with a liquid called aguamiel. The liquid is collected daily. The liquid is then heated... afda6b74cc Maple syrup was first made by the Indigenous people of Northeastern North America. The practice was adopted by European settlers, who gradually changed production methods. Technological improvements in the 1970s further refined syrup processing. Almost all of the world's maple syrup is produced in Canada and the United States, with Quebec alone accounting for 72% of global output. afda6b74cc 244 Acquired hypothyroidism afda6b74cc == Disorders of thyroid gland (240–246) == afda6b74cc Methylmalonic acidemias have varying diagnoses, treatment requirements, and prognoses, which are determined by the specific genetic mutation causing the inherited form of the disorder. afda6b74cc

Maple syrup urine disease The condition gets its name from the distinctive sweet odor of affected infants' urine and earwax due to the buildup of these amino acids. With MSUD, the body is not able to properly break down these amino acids, therefore leading to the amino acids to build up in urine and become toxic. It particularly affects the metabolism of amino acids leucine, isoleucine, and valine. Maple syrup urine disease (MSUD) is a rare, inherited metabolic disorder that affects the body's ability to metabolize amino acids due to a deficiency Maple syrup urine disease (MSUD) is a rare, inherited metabolic disorder that affects the body's ability to metabolize amino acids due to a deficiency in the activity of the branched-chain alpha-ketoacid dehydrogenase (BCKAD) complex afda6b74cc

== Signs and symptoms == afda6b74cc Sugarcane was an ancient crop of the Austronesian and Papuan people. The best evidence available today points to the New Guinea area as the site of the original domestication of Saccharum officinarum. It was introduced to Polynesia, Island Melanesia, and Madagascar in prehistoric times via Austronesian sailors. It was also introduced by Austronesian sailors to India and then to Southern China by 500 BC, via trade. The Persians and Greeks found "that reeds in India yield honey without bees", as said by Strabo, between the sixth and fourth centuries BC. They adopted and then spread sugarcane agriculture. By the eighth century, sugar was considered a luxurious and expensive spice from India, and merchant trading spread... afda6b74cc The two main types of pellagra are primary and secondary. Primary pellagra is due to a diet that does not contain enough niacin and tryptophan. Secondary pellagra is due to a poor ability to use the niacin within the diet. This can occur as a result of alcoholism, long-term diarrhea, carcinoid syndrome, Hartnup disease, and a number of medications such as isoniazid. Diagnosis is typically based on symptoms and may be assisted by urine testing. afda6b74cc 245.1 Thyroiditis, subacute afda6b74cc 241.9 Goiter, unspec. nontoxic nodular afda6b74cc Maple syrup urine disease can be classified by its pattern of signs and symptoms or by its genetic cause. The most common and severe form of this disease is the classic type, which

appears soon after birth, and as long as it remains untreated, gives rise to progressive and unremitting symptoms. Variant forms of the disorder may become apparent only later in infancy or childhood, with typically less severe symptoms that may only appear during times of fasting, stress, or illness, but still involve mental and physical problems if left untreated. Depending on the affected gene(s) and mutation, the present symptoms can range from mild to life-threatening.

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