

HEALTH

Essential vitamins that are necessary for good gut health

Due to the fact that it supplies your body with nutrients, your digestive system is very important to your general health. The intestinal system in your body is home to trillions of bacteria and their genetic material. Numerous biological processes, including digestion, metabolism, control of body weight, and immune responses, are influenced by bacteria.

You have probably heard of the phrase "gut health". It explains how the bacteria that are in charge of digesting in your gut – in your oesophagus, stomach, and intestine – are controlled.

A healthy stomach allows you to digest food painlessly, but it's not as common as you may believe.

An essential component of overall health is digestive health. Additionally, a lack of the minerals necessary for healthy digestion can result in issues, including exhaustion, nausea, weak bones, and a weakened immune

system.

Look to vitamins to assist in enhancing gut health if you're attempting to improve the immune system of you or your family, aid in stress response, manage anxiety and depression, or any other immunological function.

Vitamins are referred to as "essential" for a reason. The digestive system is no exception to the rule that your body needs vitamins to operate properly. The good news is that you can typically obtain all the vitamins you need for digestion by eating fruits, vegetables, and protein, according to the National Institutes of Health (NIH). However, some vitamins are more necessary for digestion than others.

Vitamin A

According to the NIH, vitamin A plays a major role in supporting the immune system, vision, bone, and reproductive health. Vitamin A is abundant in colourful fruits and vegetables including carrots, sweet potatoes, kale,

and other dark greens as well as in liver and milk.

Despite not having a direct role in digestion, several gastrointestinal conditions can make you more susceptible to developing a vitamin A deficit.

For instance, a study published in the World Journal of Gastroenterology found that vitamin A insufficiency is more prevalent among Crohn's disease patients. The researchers found that a deficiency in vitamin A can exacerbate the imbalance between the production and oxidation of free radicals in Crohn's patients' intestinal mucus membrane. People with celiac disease frequently experience this deficit as well.

Vitamin C

Because it is an antioxidant, vitamin C is frequently linked to the immune system and the prevention of colds, but the NIH notes that this important

vitamin also supports strong teeth and gums and aids in the body's ability to absorb iron.

Recent research indicates that people with digestive disorders frequently lack enough iron, and because iron deficiency can lead to constipation, iron supplementation might be challenging at times.

Vitamin C can be found in many foods, including citrus fruits, berries, tomatoes, peppers, broccoli, and fortified cereal. People who eat a balanced diet do not need to take supplements.

Vitamin D

According to the NIH, vitamin D is essential for healthy nerves, muscles, and the immune system as well as for the body's absorption of calcium. Furthermore, an analysis published in Cancers in June 2021 found a link between adequate vitamin D levels and a lower risk of colon cancer, according

to Everyday Health.

81% of South Africans are considered to be vitamin D deficient, which can cause cramps, muscle weakness, and bone discomfort.

According to the National Institutes of Health (NIH), there are three methods to obtain vitamin D through sunlight, vitamin D-rich foods such as egg yolks, saltwater fish, liver, fortified milk and cereal supplements. According to a study published in the May 2019 issue of Nutrients, if you have an inflammatory bowel condition like Crohn's disease, which is frequently linked to low vitamin D levels, you could also need a vitamin D supplement.

Older adults, breast-fed newborns, those with dark complexion, those with cystic fibrosis or liver illness, those who are obese, and those who have had gastric bypass surgery are among groups at higher risk for vitamin D deficiency.

Consult your doctor about taking a supplement if you aren't receiving enough vitamin D from food and sunlight.

Remember that you might already be taking a vitamin D pill. The National Osteoporosis Foundation, for instance, notes that many calcium supplements also contain vitamin D.

B Vitamins

The NIH explains that these vitamins aid in the formation of red blood cells and the absorption of energy from meals and are present in proteins including fish, poultry, meat, and dairy products as well as leafy greens and beans.

B vitamins must be a regular part of your diet because they are water-soluble and cannot be stored in your fat cells for later use. (This applies to all B vitamins, with the exception of B12, which circulates.)

B vitamins are essential for the metabolism of both carbs and lipids, claims Healthline. The body needs a variety of different B vitamins. These for the digestive system are:

B1: Also referred to as thiamine, this vitamin helps your body turn carbohydrates into energy for your cells and controls your appetite.

B3: Also referred to as niacin, this vitamin is crucial for the digestion of carbs, lipids, and alcohol, among other things. Niacin deficiency can lead to pellagra, a condition that causes extreme vomiting and diarrhoea.

B6: Also referred to as pyridoxine, B6 is crucial for your body to properly metabolise the protein you eat. Biotin: Aids the body's process of turning food into energy.

B12: Also referred to as cobalamin, this vitamin is important for the development of blood cells and the brain system. The NIH warns that a vitamin B12 shortage might result in anaemia. Additionally, gut issues and neuropsychiatric syndromes can be brought on by it.

The majority of people consume enough B vitamins through their diets, but for some, supplements may be beneficial.

For instance, B12 levels may be extremely low in patients with certain intestinal conditions, such as Crohn's disease. Before you start taking any supplements, talk to your doctor about your concerns.

CALL FOR PUBLIC PARTICIPATION

ENVIRONMENTAL IMPACT ASSESSMENT FOR EXPLORATION AND PROSPECTING ON EPL/531

This notice serves to inform all interested and affected parties that an application for the environmental clearance certificate will be launched with the Environmental Commissioner in terms of the Environmental Management Act (No.7 of 2007) and the Environmental Regulations (GN 30 of 2012).

Project: The allocated EPL area is located around the town of Aus, at the local Karas region. The applied area covers an area of 19 165 Ha. The proposed EPL area is accessible along the B4 tarred road from either Keetmanshoop or Luderitz and while the remaining smaller portion is accessible via the C13 road. The proponent intends to conduct exploration and prospecting for base and rare metals, dimension stone, industrial minerals and precious metals.

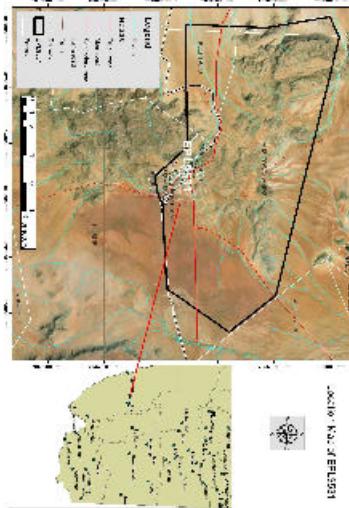
Proponent: Grey Barn Trading CC

All interested and affected parties are hereby invited to register and submit their comments regarding the proposed project on or before 30/10/2023. Contact details for registration and further information:

Augie Environmental Consulting

Dr. K Kanguehi

Email: Kanguehi0@gmail.com, Cell number: 0817069027



CALL FOR PUBLIC PARTICIPATION

ENVIRONMENTAL IMPACT ASSESSMENT FOR EXPLORATION AND PROSPECTING LICENCES ON EPL/7997 AND EPL/7993

This notice serves to inform all interested and affected parties that an application for the environmental clearance certificate will be launched with the Environmental Commissioner in terms of the Environmental Management Act (No.7 of 2007) and the Environmental Regulations (GN 30 of 2012).

Project: The allocated EPL area is located approximately 60 kilometers west of Kammanassie, in the Komas region. The applied area covers an area of 45 000Ha. The proposed EPL area is accessible along the C40 gravel road from Kammanassie towards Erwee towards Palmarig. The proponent intends to conduct exploration and prospecting for base and rare metals, dimension stone, industrial minerals and precious metals.

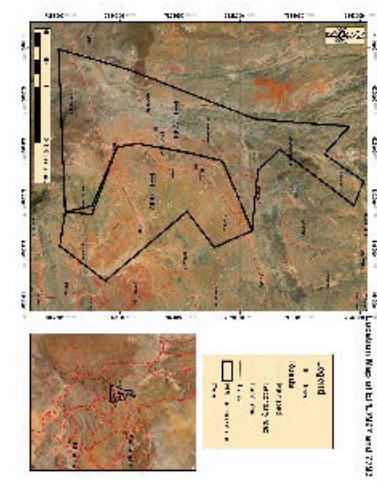
Proponent: Abuid Katjaita

All interested and affected parties are hereby invited to register and submit their comments regarding the proposed project on or before 02/11/2023. Contact details for registration and further information:

Augie Environmental Consulting

Dr. K Kanguehi

Email: Kanguehi0@gmail.com, Cell number: 0817069027



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VACANCY NOTICE EVERSTAR EDUCATION CENTRE

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Everstar Education center, a non-governmental school, has expanded curriculum to start offering grade B – 9 starting January 2024. The school invites suitably qualified and experienced teachers to apply in the following post on 01 January 2024:

• English XI
• Mathematics XI
• Natural Sciences XI
• Enrichment/Art and Agricultural Sciences XI
• History and Geography XI

MINIMUM REQUIREMENTS:
A recognized Diploma/Degree certificate in Education or any equivalent tertiary qualification
The applicant will be exposed to Namibian citizens or permanent residents. Non-Namibian citizens will be required to apply for work permit to be considered for application. Please deliver your application and relevant documents to : The school Director

Everstar Educational Centre
Otjira
PO Box 992 Changwa
Closing date:
Friday 13 October 2023

Notice

Legal Notice

REPUBLIC OF NAMIBIA
MINISTRY OF INDUSTRIALISATION AND TRADE, LIQUOR ACT, 1998
NOTICE OF APPLICATION
TO A COMMITTEE IN TERMS
OF THE LIQUOR ACT, 1998
(REGULATIONS 14, 26 & 33)

Notice is given that an application in terms of the Liquor Act, 1998, particulars of which appear below, will be made to the Regional Liquor Licensing Committee, Region:

OSHANA

1. Name and postal address of applicant: FILEMON LIPSIKA, PO BOX 3061, OSHAKATI

2. Name of business or proposed Business to which applicant relates: STREZZY RESTAURANT & PUB

3. Address/Location of premises to which application relates: ONEROKUDELO UWINWUYA, OSHAKATI DISTRICT, OSHAKATI, OSHANA

4. Nature and details of application: BLUEPRINT PUB AND GRILL CC

5. Clerk of the court with whom Application will be lodged: ONEROKUDELO MAGISTRATE COURT

6. Date on which application will be lodged: 16 - 31 OCTOBER 2023

7. Date of meeting of Committee at which application will be heard: 13 DECEMBER 2023

Any objection or written submission in terms of section 28 of the Act in relation to the application must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the hearing of the Committee at which the application will be heard.

REPUBLIC OF NAMIBIA
MINISTRY OF INDUSTRIALISATION AND TRADE, LIQUOR ACT, 1998
NOTICE OF APPLICATION
TO A COMMITTEE IN TERMS
OF THE LIQUOR ACT, 1998
(REGULATIONS 14, 26 & 33)

Notice is given that an application in terms of the Liquor Act, 1998, particulars of which appear below, will be made to the Regional Liquor Licensing Committee, Region:

OTJAROWANO

1. Name and postal address of applicant: FILEMON LIPSIKA, PO BOX 299, OTJAROWANO

2. Name of business or proposed Business to which applicant relates: BLUEPRINT PUB AND GRILL CC

3. Address/Location of premises to which application relates: ERF 1082, OTJAROWANO

4. Nature and details of application: RESTAURANT LIQUOR LICENCE

5. Clerk of the court with whom Application will be lodged: OTJAROWANO MAGISTRATE COURT

6. Date on which application will be lodged: 01 NOVEMBER 2023 - 30 NOVEMBER 2023

7. Date of meeting of Committee at which application will be heard: 13 DECEMBER 2023

Any objection or written submission in terms of section 28 of the Act in relation to the application must be sent or delivered to the Secretary of the Committee to reach the Secretary not less than 21 days before the date of the meeting of the Committee at which the application will be heard.



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