

Nicotinic Acid (Niacin) Production from Tobacco Waste

Description:

Nicotinic Acid (Niacin) Production from Tobacco Waste. Nicotinic Acid (Vitamin B3) Manufacturing Business

Niacin (nicotinic acid) is used to prevent and treat niacin deficiency (pellagra). Niacin deficiency may result from certain medical conditions (such as alcohol abuse, malabsorption syndrome, Hartnup disease), poor diet, or long-term use of certain medications (such as isoniazid).

Niacin cannot be directly converted to nicotinamide, but both compounds are precursors of the coenzymes nicotinamide adenine dinucleotide (NAD) and nicotinamide adenine dinucleotide phosphate (NADP) in vivo. NAD converts to NADP by phosphorylation in the presence of the enzyme NAD⁺ kinase. NADP and NAD are coenzymes for many dehydrogenases, participating in many hydrogen transfer processes. NAD is important in catabolism of fat, carbohydrate, protein, and alcohol, as well as cell signaling and DNA repair, and NADP mostly in anabolism reactions such as fatty acid and cholesterol synthesis.

High energy requirements (brain) or high turnover rate (gut, skin) organs are usually the most susceptible to their deficiency. Although the two are identical in their vitamin activity, nicotinamide does not have the same pharmacological effects (lipid modifying effects) as niacin. Nicotinamide does not reduce cholesterol or cause flushing. As the precursor for NAD and NADP, niacin is also involved in DNA repair.

For more details download PDF file.

Keywords: #Nicotinic_Acid_from_Tobacco_Waste, #Nicotinic_Acid_Production, #Niacin_from_Tobacco, #Production_of_Nicotinic_Acid_from_Tobacco_Waste, #Manufacture of Nicotinic Acid from Tobacco Waste Pdf, #Nicotinic_Acid_(Niacin), Nicotinic Acid, Production of Nicotinic Acid, Nicotinic Acid Production from Tobacco Waste, Niacin Production, Niacin/Nicotinic Acid, #Nicotinic_Acid_Production, Production of Niacin, Niacin (Vitamin B3), Vitamin B3 (Niacin), Manufacture of Nicotinic Acid, Niacin (Nicotinic Acid, Vi

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