

Natural Source Vitamin E (Tocopherols and Tocotrienols) – A Global Market Overview

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Abstracts

REPORT SYNOPSIS

Dietary Supplements sector is the largest consumer of Natural Vitamin E worldwide and any upturns and downturns in the demand from Dietary Supplements will directly reflect in the overall Natural Vitamin E market. Amid the pandemic induced upturn in the demand for supplements and fortified foods & beverages, the global Natural Vitamin E consumption has significantly increased during 2020-2021 period. Demand growth for supplements and fortified foods slowed down likewise significantly in 2022 as the threat by the pandemic continued to wane and the global economic conditions weakened.

Global demand for Natural Source Vitamin E reached US\$1.1 billion in 2022, registering a YOY growth of 17% attributed to huge price increase in Tocopherols. Rising energy costs, supply chain disruptions and tight supply of vegetable oil distillates has prompted Tocopherols producers to increase prices during the 2021-2022 period. As evident from the industry, vitamin E prices are expected to remain stable at 2022 levels during the forecast period (2022-2028) as the global supply chain conditions are improved and energy costs are coming down. In light of high inflation and rising Tocopherols prices, consumers are likely to become increasingly price sensitive heading into the forecast period, and the global volume consumption of Natural Vitamin E is projected to progress at a moderate CAGR of 3.6% between 2022 and 2025. As economic conditions are expected to back to normal after 2025, the global demand for Natural Vitamin E is projected to reach about 20K metric tons by 2028.

Research Findings & Coverage

Global Natural Source Vitamin E market is analyzed in this report with respect to



key product types and major end-use sectors

The study exclusively analyzes the market size of each product type and enduse sectors of Vitamin E by a major geographic region/country

The market for Natural Vitamin E Tocopherols and Natural Vitamin E Tocotrienols is analyzed by end-use applications individually for all major regions/countries

Analysis of Market Drivers, Restraints and Opportunities

In-depth analysis is covered for global Natural Vitamin E market with respect to rising prices and inflation while the study also takes the recent pandemic impact in to consideration

Production capacity shares of all major Tocopherols and Tocotrienols producers are analyzed

Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments

Major companies profiled – 43

The indus0try guide includes the contact details for 223 companies

PRODUCT OUTLINE

The report analyzes the market for the following key product types of Natural Vitamin E:

Tocopherols

Tocotrienols

End-Use sectors of Natural Vitamin E analyzed comprise the following:

Animal Nutrition/Feed



Dietary Supplements

Food and Beverages

Cosmetics & Personal Care

Others (include pharmaceuticals, medical nutrition, and infant nutrition)

Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global Natural Vitamin E market for the period 2019-2028 in terms of volumes in Metric Tons and market value in US\$ and the compound annual growth rates (CAGRs) projected from 2022 through 2028 with a special focus on y-o-y growth analysis for 2021-2022

Geographic Coverage

North America (The United States, Canada and Mexico)

Europe (Germany, France, Italy, Spain, The Netherlands, The United Kingdom and Rest of World)

Asia-Pacific (China, India, Japan and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Rest of World



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About

Natural source vitamin E tocopherols are commercially available in the following forms:

d-Alpha Tocopherol d-Alpha Tocopheryl Acetate d-Alpha Tocopheryl Succinate

Mixed Tocopherols

d-alpha-tocopherol finds extensive application as a vitamin E source in foods and dietary supplements as soft gel encapsulations. d-alpha-tocopheryl acetate offers enhanced stability over the long term in cases where light or oxygen exposure could be a matter of concern, and its powdered form is utilized in tableting applications. Vitamin E in succinate form finds extensive application as a vitamin E source in dietary supplements as in tableting. Mixed tocopherols, natural antioxidants derived from edible vegetable oils, are extensively utilized in foods and dietary supplements for protecting finished products against harmful effects of oxidation. A vacuum steam distillation process is used to obtain tocopherols from edible vegetable oil products, such as soya oil. For producing mixed tocopherols, the raw material used includes a by-product of vegetable oil refining and the category of vegetable oil used. The 90% of mixed tocopherol material is manufactured from vegetable oil deodorized distillates through a combination of the purification and distillation processes. The stereochemistry of mixed tocopherols is maintained in manner as to ensure that they retain similarity in all respects to the several forms of tocopherols obtained from

Tocotrienols constitute another form of natural vitamin E that is available commercially. Tocotrienols differ slightly from tocopherols in the unsaturated side chain having three double bonds in its farnesyl isoprenoid tail. These natural compounds are found in a few vegetable oils, wheat germ, barley, saw palmetto and specific varieties of nuts and grains. The natural occurrence of tocotrienol form of vitamin E is very low, with rice, palm, and annatto being the existing commercial sources.

natural sources. Standardization of the product to its final potency and quality is

achieved through concentration and purification through distillation.



Though vitamin E has been witnessing increasing demand on a global basis, more so for the natural category, it comes as a surprise that production capacities for natural vitamin E have remained relatively stable. While Chinese producers of synthetic vitamin E have been on a capacity expansion spree to the tune of about five thousand metric tons each per annum, adequate and equal response from European manufacturers has not been forthcoming. In fact, not a single major global player has announced any intentions of expanding natural vitamin E capacity for the foreseeable future. The primary reason for this reluctance can be attributed to a severe paucity of raw material needed to manufacture natural vitamin E. Therefore, based on the existing scenario and the future demand potential for natural vitamin E, either initiative in the area of capacity expansions have to be undertaken or new players with ample capacity need to enter the arena.



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