Plant-based ingredients to support today's lifestyle choices

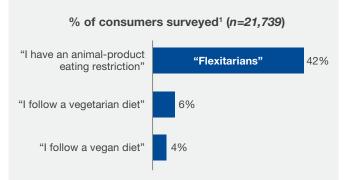
Betatene[®]

People around the world limit or increase specific foods for different compelling reasons. While halal/ kosher/vegetarian diets are practiced in certain regions, dairy-free or gluten-free diets are often required due to intolerances. However, most people would likely fall into the category known as "flexitarians" a combination of the words "flexible" and "vegetarian." What sets flexitarians apart is their freedom of choice - they freely switch between animal and non-animal-based products.

D • BASF We create chemistry

Huge market potential in flexitarians

According to a survey by Euromonitor,¹ 42% of global consumers are flexitarians. They are largely driven by concerns in three areas² which businesses can capitalize on:





Environment: Saving the environment by looking for sustainable sources of food is a motivation for the flexitarian consumer.

Animal welfare: Intensive farm production technologies that lead to stress and discomfort for animals have caused consumers to move away from meat consumption.

Flexitarians are driving the plant-based boom

Driven by concerns in the three areas, flexitarians are looking to diversify their diets with more "plant-based" options. This perspective could also have an impact on the ingredients used in food, as well as in dietary supplements.



Number of dietary supplement launches with "vegan" claims

A two-pronged approach is needed to develop a compelling narrative for flexitarians:

- 1. A clear outline of the company's philosophy on sustainability, ingredients used, processing methods and other product qualities
- 2. Label claims related to health, environment and animal-free ingredients

BASF's natural beta-carotene is derived from a micro algae, *Dunaliella salina*, that thrives naturally in salt lagoons



Betatene[®], BASF's brand of natural beta-carotene, is positioned to support vision and immune functions in dietary supplements



Third-party product names and images are used for reference only and are not intended to suggest endorsement by, or an existing licensing relationship with, the trademark owner

Our products enable potential claims positioned for your plant-based dietary supplements

Product	Form	Plant- based*	Naturally derived**	Vegan	Vegetarian	Dairy-free/ Lactose- free	Halal	Kosher	Non- GMO	Gluten- free	FSSC 22000	
Betatene® 1% CWD N	Powder	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	~
Betatene [®] 7.5% N & 10% N	Powder	~	✓			✓			~	~	✓	~
Betatene [®] 10% N OU	Powder	~	~			✓	✓	~	✓	~	✓	~
Betatene [®] 20% OLV & 30% OLV	Oil	✓	✓	~	✓	✓	~	✓	~	~	✓	~
Betatene [®] 20% SOY & & 30% SOY	Oil	✓	✓	✓	✓	✓	✓	✓		✓	✓	~

* Main / active ingredient originating from plants (including vegetables, fruits, whole grains, nuts, seeds, mushrooms and algae).

May contain formulation ingredients not from plants

** Main / active ingredient originating from natural materials. May contain formulation ingredients not matching "natural" definition

Position Betatene® for your plant-based innovation

Plant-based, natural, renewable

Suitable for flexitarians

Supports vision and immune functions

Sources: ¹Going Plant-Based: The Rise of Vegan and Vegetarian Food, Euromonitor 2020; ²Choosing Substitutes: The Rising Tide of Non-Animal Proteins, Euromonitor 2021; ³A year of innovation in VMS, Mintel, 2021; ⁴Plant-based Eating and Alternative Proteins, Euromonitor 2021; ⁵Natural Marketing Institute (NMI) Health & Wellness Study (2017)



Discover full range of ingredients & regulatory information with RegXcellence[®] & MyProductWorld

in BASF Human Nutrition