

# North America Microbial Cellulose Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Application (Food & Beverages, Food Packaging, Biomedical, Cosmetics, and Others)

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## Abstracts

The North America microbial cellulose market was valued at US\$ 6,416.11 million in 2022 and is expected to reach US\$ 12,435.67 million by 2028; it is estimated to grow at a CAGR of 11.7% from 2022 to 2028.

### Increasing Demand for Microbial Cellulose in Healthcare Industry

Microbial cellulose has gained significant attention across the biomedical & healthcare industry. Microbial cellulose is composed of a densely woven three-dimensional network nanofiber. It possesses excellent water-binding capacity, high tensile strength, and low thrombogenicity. It is used as a soft human tissue repair material in wound dressing. In cases of severe burns, microbial cellulose acts as an excellent wound-healing agent as it aids the process of wound healing and epidermal regeneration.

Moreover, microbial cellulose is hypoallergenic, noncytotoxic, and nonirritating, and shows perfect skin adhesion in hard-to-reach wounds and injuries. Microbial cellulose is an ideal material for prosthetic blood vessels and cardiovascular components since it adapts perfectly to irregular anatomical contours. For diabetic patients, microbial cellulose is used for the dressing of diabetic feet and venous ulcers. Microbial cellulose also finds application in tissue engineering to make cartilage tissue implants, cornea implants, dura implants, and other medical implants. Manufacturers are developing products that cater to the rising demand for microbial cellulose in the healthcare & pharmaceuticals industry. Thus, the widespread applications of microbial cellulose in the healthcare industry propel its demand, thereby bolstering the microbial cellulose

market growth.

## North America Microbial Cellulose Market Overview

The microbial cellulose market in North America is segmented into the US, Canada, and Mexico. North America holds many growth opportunities for microbial cellulose manufacturers owing to increasing demand from various end-use industries such as plastics & polymers, cement additives, healthcare, food & beverages, and cosmetics. The US Food Drugs and Administration (FDA) considers microbial cellulose a GRAS (generally recognized as safe) food additive. It is used in conventional desserts, plant-based meat, low cholesterol diet, food/beverage additives, food packaging, and others. The textile industry in North America is conducting research & development activities and collaborating with other market players to develop eco-friendly, sustainable products made from bacterial cellulose. For instance, in May 2022, von Holzhausen, a California-based company, signed a collaboration agreement with Nanollose, a leading Australia-based research and development company, to develop next-gen vegan leather from bacterial cellulose. Similarly, in May 2022, Ashland Global Holdings Inc. launched 'natrathix' bio cellulose, a nature-derived, biodegradable thickener for skin care. Such initiatives by key players in the region are contributing to the market growth.

## North America Microbial Cellulose Market Revenue and Forecast to 2028 (US\$ Million)

### North America Microbial Cellulose Market Segmentation

The North America microbial cellulose market is segmented based on application and country. Based on application, the North America microbial cellulose market is segmented into food & beverages, food packaging, biomedical, cosmetics, and others. The food & beverages segment held the largest market share in 2022.

Based on country, the North America microbial cellulose market is segmented into the US, Canada, and Mexico. The US dominated the North America microbial cellulose market share in 2022.

Ashland Inc; Axcelon Biopolymers Corp; Bacterial Cellulose Solutions Inc; Cellulose Lab Inc; and Polybion SL are the leading companies operating in the North America microbial cellulose market.

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