Ingredients
Advanced Biotech is dedicated to producing the highest quality flavor and fragrance ingredients that inspire and captivate the senses. Our extensive portfolio, comprising of natural, synthetic, and fermentation-derived molecules, is constantly evolving to meet the changing demands of our valued clients. Utilizing proprietary production methods and a customer-centric approach, we are committed to delivering exceptional ingredients that elevate formulations.

Sustainability
At the core of our values, we maintain an unwavering dedication to promoting sustainable practices that have a meaningful and lasting impact on the future. Through consistent investments in renewable energy, biotechnology, and our adherence to Extended Producer Responsibility standards, we proudly reinforce our commitment to advancing our sustainability goals. Annually, we explore new opportunities that bring us closer to realizing our objectives. This year, we are thrilled to announce our partnership with organizations in Costa Rica that align with our vision of effectively collecting and transforming plastic waste into eco-friendly building materials. For more comprehensive information, kindly refer to page 13.

Social Responsibility
Since our inception, it has been a central aspect of our mission to give back to the communities in which we operate. Our efforts include: supporting local schools, building education centers, participating in multiple charities as well as engaging in community outreach programs. ABT’s ultimate goal is to make a positive impact in the lives of the people we serve.
Overview

Market Variables

- Raw Material Issues Improving
- Increased Energy Costs
- Trump Import Tarrifs
- Logistics Improved But Delays Still Common
- Inflation
- Ongoing Geo-Political and Socio-Economic Issues

China Headwinds

The ongoing global situation regarding Covid-19 continues to evolve. While most factories in China have resumed operations, the increased demand for products has led to significant pressure on supply chains. We are closely monitoring the guidance provided by the World Health Organization and the Centers for Disease Control regarding the spread of the virus. Our primary focus is to meet the needs of our customers while prioritizing the safety of our employees and the communities we conduct business in.
Manufacturing & Warehousing

Totowa, New Jersey USA
Oneonta, New York USA
Bremen, Germany
Osaka, Japan
Cuernavaca, Mexico

Agents & Distributors

Korea - Unique F&F
Brazil - Commercial Interlink
Germany - ABT GmbH
Japan - Seikodo Ishida
Mexico - Olivia Vargas

New Building

Our new facility in Oneonta, New York is now operational! Please see page 16 for additional information.

Global Reach

Advanced Biotech boasts a robust team of over 200 skilled employees, including a significant number of technical and research-based personnel. Our experienced customer service team, fluent in multiple languages, are dedicated to ensuring that our clients receive the highest level of support. In addition, our administrative staff works in tandem with our technical and manufacturing group, which ensures all aspects of our operations run efficiently and smoothly.
ingredient updates
Cassia Oil

OVERVIEW
Cassia is a genus of flowering plants in the family Fabaceae, which includes several species of trees and shrubs native to tropical and subtropical regions of Asia, Africa, and the Americas. Cassia is highly valued for its aromatic bark, carefully harvested and dried to create a well-regarded spice known as cassia oil. Esteemed for its distinctive flavor, cassia oil is a widely utilized ingredient in various culinary traditions worldwide. Market prices have been steadily trending down and we expect supply to remain stable.

AROMA:
Warm, Spicy, Woody

TASTE:
Sweet, Cinnamon, Dried Fruit

FEATURED PRODUCTS:
1395 BENZALDEHYDE EU NATURAL
1160 BENZYL ACETATE NATURAL
1181 BENZYL ALCOHOL NATURAL
3035 CASSIA OIL NATURAL
3016 CASSIA OLEORESIN NATURAL
1153 CINNAMIC ALDEHYDE NATURAL
1169 METHYL CINNAMATE NATURAL
Natural Pyrazines

OVERVIEW
Pyrazines are found in a wide range of foods and beverages, including coffee, cocoa, bread, cooked meats, roasted nuts, and popcorn. They are formed during cooking or roasting through a complex series of chemical reactions known as the Maillard reaction. Pyrazines can also be formed during fermentation, such as in the case of whiskey or brandy, where they are produced by the yeast as a byproduct of alcoholic fermentation.

The situation is improving as we increase production of enriched fusel oil. This has resulted in stabilization of prices in the market.

AROMA:
Smoky, Toasted, Nutty

TASTE:
Earthy, Roasted, Chocolate

FEATURED PRODUCTS:
1345 PYRAZINE MIXTURE NATURAL
1346 2,5 DIMETHYL PYRAZINE NATURAL
1347 2,3,5 TRIMETHYL PYRAZINE NATURAL
1379 PYRAZINE COMPLEX (104) NATURAL
1417 TETRAZINE NATURAL
1417 PYRAZINE MIXTURE II NATURAL
1478 PYRAZINE MIXTURE III NATURAL

Phenyl Acetic Acid Natural

OVERVIEW
Phenyl Acetic Acid is an organic compound characterized by the presence of a phenyl group and a carboxylic acid group. It is a solid substance with a distinctive fragrance reminiscent of honey.

Although it posed a significant challenge until recently, we have made notable progress and now have a consistent supply. Additionally, market prices have reached a stable point.

AROMA:
Sweet, Honey, Almond

TASTE:
Floral, Tobacco, Animalic

FEATURED PRODUCT:
1196 PHENYL ACETIC ACID NATURAL
Cornmint Oil

OVERVIEW
Cornmint oil is an essential oil that is derived from the leaves of the cornmint plant, also known as Mentha arvensis. The plant is a member of the mint family and is native to Asia and Europe, but is now grown in many parts of the world, including India, China, and the United States.

Cornmint oil supply has been stable and prices are trending down.

AROMA:
Mint, Herbaceous, Menthol

TASTE:
Peppermint, Cooling

FEATURED PRODUCTS:
1117 CIS 3 HEXENOL NATURAL
1100 CIS 3 HEXENYL ACETATE NATURAL
1101 CIS 3 HEXENYL BUTYRATE NATURAL
1716 CIS 3 HEXENAL 1% ETOH NATURAL
1702 CIS 3 HEXENAL 1% PG NATURAL
1701 CIS 3 HEXENOIC ACID 5% PG NATURAL
1118 CIS 3 HEXENOL 92-95% NATURAL
1102 CIS 3 HEXENYL 2 METHYL BUTYRATE
1104 CIS 3 HEXENYL CAPROATE NATURAL
1525 CIS 3 HEXENYL FORMATE NATURAL
1105 CIS 3 HEXENYL ISOVALERATE NATURAL
1107 CIS 3 HEXENYL LACTATE NATURAL
1103 CIS 3 HEXENYL PROPIONATE NATURAL
Clove Oil

OVERVIEW
Clove oil is a highly concentrated essential oil that is extracted from the flower buds of the clove tree, which is also known as Syzygium aromaticum or Eugenia caryophyllata. The clove tree is an evergreen tree that is native to Indonesia, but it is also grown in other tropical regions such as Sri Lanka, India, and Madagascar.

The current output remains stable with no harvest problems caused by weather. In addition, demand has been soft leading to a steady downward price trend in the market.

AROMA:
Warm, Spicy, Phenolic

TASTE:
Sweet, Medicinal, Minty

FEATURED PRODUCTS:
1145 VANILLIN EX EUGENOL EU NATURAL
1446 METHYL EUGENOL NATURAL
1553 METHYL ISOEUGENOL NATURAL
1007 EUGENOL NATURAL
Wintergreen Oil

**OVERVIEW**
Wintergreen oil is an essential oil that is derived from the leaves of the wintergreen plant, which is also known as Gaultheria procumbens. The small evergreen shrub grows in forests and mountainous regions.

The prices offered to farmers for the raw material were extremely low, which led to a decrease in the cultivation of the crop. This has led to a surge in prices of around 30-50% since mid-2018.

**AROMA:**
Minty, Woody, Green

**TASTE:**
Wintergreen, Fresh, Sweet

**FEATURED PRODUCTS:**
1194 METHYL SALICYLATE NATURAL

Wood Isolates

**OVERVIEW**
Wood isolates are complex mixtures of chemical compounds that are found in wood-derived materials. These compounds are responsible for the distinctive aroma and flavor of different types of wood, and they can be isolated and purified to create concentrated extracts or oils.

Prices for these products are declining due to excess natural material on the market.

**AROMA:**
Woody, Earthy, Sweet

**TASTE:**
Spicy, Smoky, Toasted

**FEATURED PRODUCTS:**
CYCLOTENE NATURAL #1170
CYCLOTENE HYDRATE #1361
GUAIACOL NATURAL #1036
MALTOL NATURAL #1094
Food Essential Oils

3018 GINGER OIL NATURAL
Due to increased demand, we are expanding the production of ginger oil.

AROMA:
Spicy, Camphoreous, Woody

TASTE:
Peppery, Citrus, Bitter

3010 GARLIC OIL NATURAL
The market for garlic oil remains soft. Prices have been trending down over recent months.

AROMA:
Savory, Sulfurous, Bitter

TASTE:
Umami, Nutty, Sweet

3009 MUSTARD OIL
There are challenges in the supply chain due to instability in Ukraine. Prices remain elevated.

AROMA:
Tangy, Vinegar, Spicy

TASTE:
Spicy, Sweet, Pungent

3022 HORSERADISH OIL NATURAL
We have maintained a stable supply of this ingredient over an extended period.

AROMA:
Sulfurous, Sharp, Earthy

TASTE:
Spicy, Vegetative, Green

3001 ONION OIL NATURAL
Steady supply of this ingredient, we do not forecast any shortages in the near future.

AROMA:
Alliaceous, Sulfurous, Earthy

TASTE:
Savory, Vegetative, Sweet

3013 ANISE STAR OIL NATURAL
Pleased to announce consistent availability of this material.

AROMA:
Phenolic, Warm, Fennel

TASTE:
Sweet, Licorice, Spicy
Company Updates
Green Initiative

**OVERVIEW**
Advanced Biotech is honored to collaborate with *Makes Me Happy*, an organization based in Costa Rica committed to enhancing the community’s waste management systems through infrastructure and logistical improvements. By conducting regular roadside cleanups, beach cleanups, and weekly school pickups involving over 10,000 students, they collect and accept all plastic types.

**ECO BLOCKS**
Through a proprietary method, this plastic is transformed into RESIN8, a revolutionary resin that serves as the main component for ECO Blocks. These sustainable blocks are utilized in the construction of eco-friendly homes, schools, and other structures, with each ECO Block containing over 1 pound of repurposed plastic. ABT’s partnership with Makes Me Happy reflects our shared commitment to environmental stewardship and creating positive impact through innovative solutions.

**EXTENDED PRODUCER RESPONSIBILITY (EPR)**
Advanced Biotech fully embraces the principles of EPR. This policy approach aligns with our sustainability goals as it mandates that manufacturers take full responsibility for the lifecycle of their products, from production to disposal, ensuring effective management and reduction of their environmental impact. As an advocate of EPR, we actively participate in setting recycling targets, developing robust collection systems, and promoting eco-design practices. By assuming accountability for waste management and environmental sustainability, we contribute to a circular economy, conserving resources and minimizing waste.

**LEARN MORE**
Scan the QR code to discover further details about this initiative.
Our extraction process utilizes natural botanicals subjected to various solvents. We typically use a hydroalcoholic mixture circulated at different times and temperatures. As the demand for naturals continue to grow, we remain committed to staying ahead of industry trends by broadening our palette and capabilities.

**CONTINUED INVESTMENT**

We are thrilled to announce the expansion of our extraction capabilities with the addition of a state-of-the-art 2000L extractor. This investment allows us to increase our production capacity and provide our customers with an even wider range of high-quality, natural ingredients for their fragrance and flavor formulations.

**FEATURED PRODUCTS:**

- 6089 VANILLA EXTRACT 4X BOURBON
- 6081 COFFEE EXTRACT NATURAL
- 6105 ORANGE EXTRACT NATURAL
- 6154 LAVENDER EXTRACT NATURAL
- 6033 CHOCOLATE EXTRACT NATURAL
- 6203 GRILLWOOD EXTRACT OS NATURAL
- 6074 ST. JOHN’S BREAD CONC. SE NATURAL
- 6181 FENUGREEK CONC SE NATURAL
VEGAN SAVORY BASES
RXTechnology offers a wide range of versatile and nuanced bases for various applications. As the market for plant-based foods continues to grow, with sales reaching an all-time high of $8 billion in 2022, our products are formulated to satisfy customer expectations for great taste. These innovative bases can be used in baked goods, dairy, healthy snacks, plant-based meat and more. We are thrilled to expand our RXT offerings to better serve our clients in this rapidly growing market segment.

FEATURED PRODUCTS:
- 11100035 RXT BBQ
- 11300053 RXT CHICKAROME
- 13200115 RXT CHOCOLATONE
- 11200082 RXT FISHAROME
- 1210007 RXT FONGOS
- 11100021 RXT GRILLCARNE
- 13200277 RXT ITALIANO
- 13100145 RXT MOCHA
- 11300052 RXT SAVAROME
- 13100046 RXT VEGANAL

Contact us for samples and additional information.
New Facility
Oneonta, New York

SUSTAINABILITY
At Advanced Biotech, we are committed to transitioning to a green and sustainable future. Our new facility in Oneonta, New York is designed to maximize energy efficiency, and as part of this commitment, we have developed a 5-acre solar panel field to generate renewable energy for the plant. The facility includes a 65,000 sq. ft warehouse, 10,000 sq. ft of refrigeration and additional spray drying and specialty chemical manufacturing capabilities.
Stay in Touch

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