BioPlus®
LIFE SCIENCES

INNOVATE,
EXPLORE &
DEVELOP

2021

EXPERIENCE

Company Snapshot

Manufacturer and developer of pharma and health formulations and marketer of licensed and OTC pharma and healthcare products

Business

- Licensed Medicines And OTC Supplements (Global)
- Hygiene : Hand Sanitizer And Surface Disinfectant
- OTX- Nature's Only Food Supplements, Promoted To Doctors (CIS, MENA, SE Asia)
- Contract Manufacturing Services (Europe & Australia)
- Specialty Ingredients API – Algal DHA, Glucosamine, Sucralose, Vitamin E-TPGS, 7MX

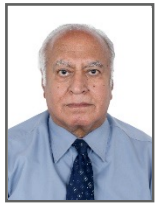
Hosur – Api, Biotechnology & Hand Sanitizer Manufacturing

R&D	: Formulation Development Center
R&D	: Metabolic / Genetic Lab
R&D	: Biotechnology Lab
R&D	: Organic Chemistry Lab & Pilot Plant
Hand Sanitizer/Liquid Orals	: Plant A
Dosage Forms	: Bangalore Dosage Forms Manufacturing (A) Whitefield Plant – EU GMP / Pharmaceuticals, Effervescent (B) Hoody Plant – BRC, GMP Plant For Supplements

A Family-Owned Business

Aurora Family

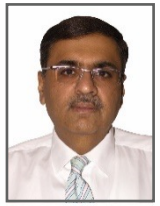
- 98% **Pharmed Ltd.** EST 1946
- 100% **Bioplus Life Sciences Pvt. Ltd.,** EST 2003



K. K. Aurora
Age : 85 yrs,
C.A, LLB

Managing Director, Smithkline India
Over 30 years

International Vice President –
Smithkline Beecham, USA



Sundeep Aurora
Chairman & CFO
Bioplus Life Sciences Pvt. Ltd.,
Age : 57 yrs
BSc. Chemical Engineering
Lafayette College, Easton, PA

Citibank, New York

Sunjeev Aurora
Director & CFO
Bioplus Life Sciences Pvt. Ltd.,
Age : 54 yrs
BS Lehigh University, PA,
MBA, University of Chicago, IL
MS: Fordham University, NYC
CPA-USA

Vice President Morgan Stanley, New York

Suneet Aurora
Managing Director
Pharmed Ltd.,
Age : 48 yrs
BA
University of Massachusetts

About Bioplus

- **Bioplus** is dedicated to the business of manufacturing and marketing world class Health, Wellness, Nutritional, Pharmaceutical and Hygiene products. Part of the Bioplus Group, it carries forward the same level of quality and precision in all its products.

- Present in over 60 countries, Bioplus adheres to **GMP** requirements for manufacturing, with the objective of creating safe, effective pharmaceuticals and nutraceuticals that enhance and maintain ones' natural health and beauty.

- Product quality is ensured by a total control over every step of the production process from procurement of raw inputs, to final packaging.

Natures® Only

Natures Wealth For Good Health

- Backed by 70+ years of research & manufacturing experience
- Presence in 60+ countries

Trusted globally with leading certifications

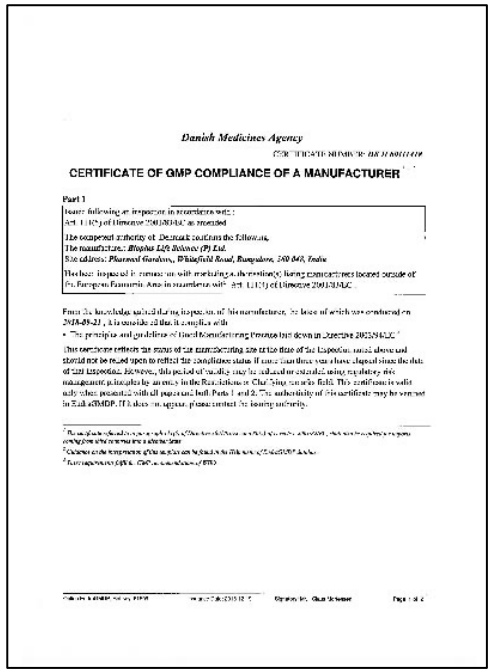
ISO 22000: 2005 · ISO 14001: 2015 · BRC Certification Body · Halal · K · GOED Omega-3 Proud Member · Danish Medicines Agency EU GMP CERTIFIED · Australian Government Department of Health and Ageing Therapeutic Goods Administration · Health Canada

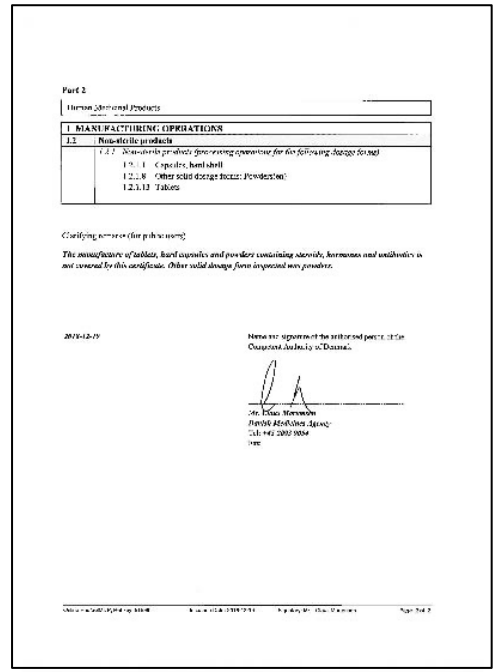
Under certification: NSF · GRMA

Quality


Quality Policy
We
are dedicated to
produce safe and high
quality products with full
traceability.
We are committed to
continuously learn, improve and
implement each positive
development in every department.
Quality is our way of life at
Bioplus. We value personal
health and hygiene. We take
our responsibility
seriously.
The Employees of BioPlus LIFE SCIENCES

Quality





ISO 22000: 2005 ISO 14001: 2015 BRC CERTIFICATION BODY HALAL

Danish Medicines Agency
EU GMP CERTIFIED

Australian Government
Department of Health and Ageing
Therapeutic Goods Administration

Health Canada

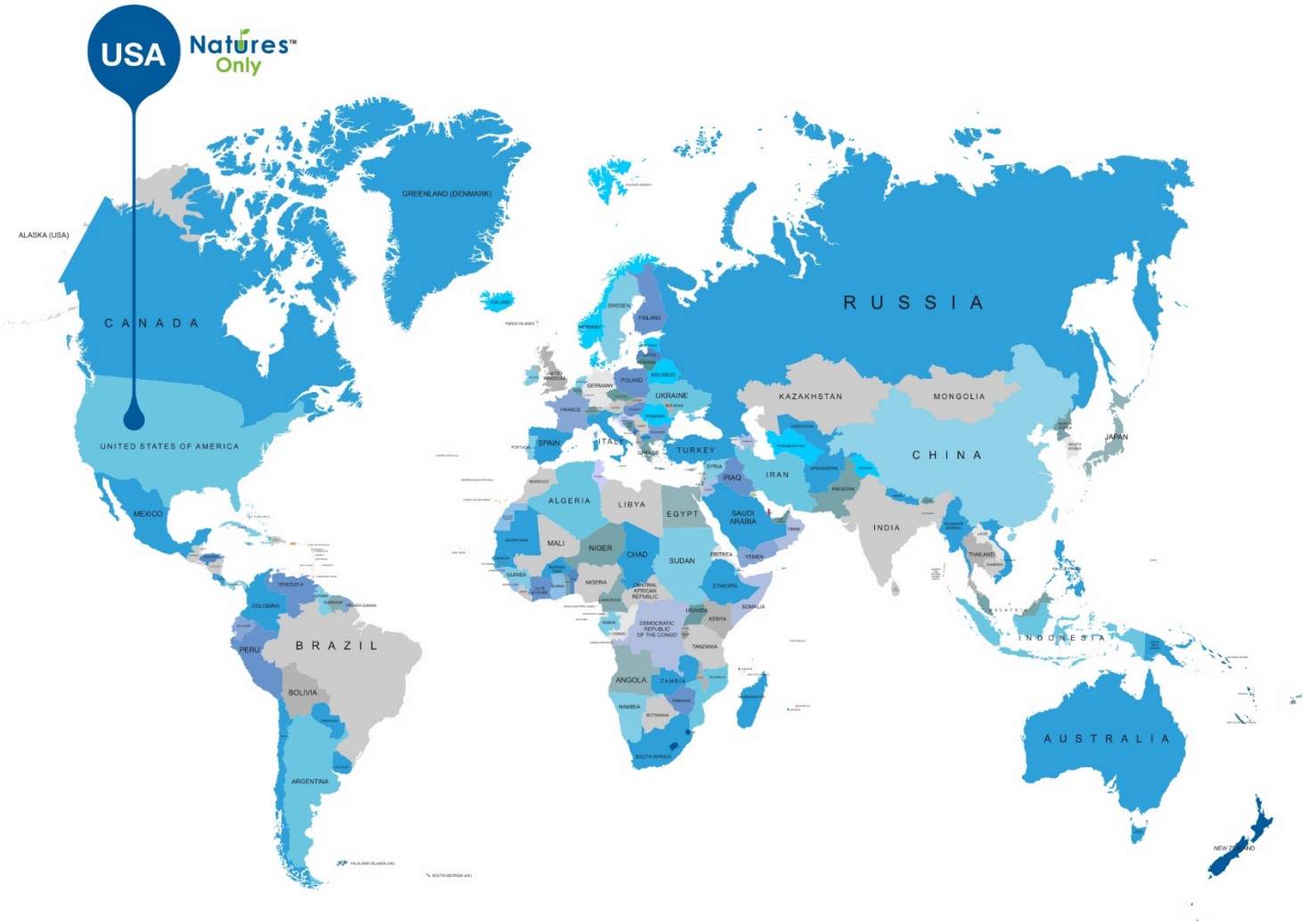
Under certification

NSF GRMA GLOBAL RETAILER AND MANUFACTURER ALLIANCE

BIOPLUS GLOBAL PRESENCE

60 COUNTRIES

2,130
Employees Globally



NORTH AMERICA

USA
Canada

EUROPE

27 Countries

ASIA

Philippines
Sri Lanka
Myanmar
Cambodia
Singapore

CIS

Ukraine
Kazakhstan
Kyrgyzstan
Azerbaijan

MIDDLE EAST

UAE
Oman
Bahrain

AFRICA

Algeria
Kenya
Mauritius

CHINA

Journey so far

Since our beginning in 1946, partnerships
Have been a key ingredient for our success.

1946 – Introduced 1st Antitubercular Drugs in the Indian market in collaboration with Gruppo Lepetit and Bracco, Italy

1950's – Contract Manufacturer for Boots, Pfizer, Smithkline, Cyanamid, Schering, Hoechst, Parke Davis, etc.)

1960's
- Started joint Venture with Sandoz SA (Switzerland), now Novartis SA
- Began collaboration with Bracco SPA (Italy), ongoing

1990's
- Collaboration with Tishcon Inc, USA
- Private label supplier to various leading brands in Pharmacies and Super markets in Europe

2000 – Research labs established with leading Indian Universities

BioPlus™ LIFE SCIENCES

2008 – Private Equity Investment from AIF Capital

2010 – Expanded partnership with various pharmaceutical companies for distribution of or product in Europe, CIS, Middle East, North Africa & South East Asia

2014 – EU Novel Foods approval for Algal BioDHA

2015 – Formation of Theialife Sciences with Dr. Klaus Trier for clinical & Market development of 7-Methylxanthine for Myopia control

2017 – Novel Process for production of 7-Methylxanthine

2018
- Algal BioDHA capacity doubled
- December – New Solid Oral EU GMP approved Dosage Form Plant

2019 – AIF Capital Investment Buy back

2021
- Clinical trial for Covid 19 Ketone Esters. To launch effervescent
- Launched SterloMax, became No. 1 selling sanitizer brand in India (Amazon)
- New sanitizer Plant A
- New 7Mx plant
- New Ketone Esters plant

2021 – NSF & GRMA Audit completed

Some of our Global Partners (Bioplus Group)

Denmark

Global

UK

Germany

USA, India & Many more

Norway

UK

Australia

Australia

Global

Portugal

Germany

Bulgaria

United Kingdom

New Zealand

United Kingdom

United Kingdom

Denmark

Netherlands

France / Belgium

**** Many More***

What do we offer?

- New Chemical Entities
- Formulation
- Formulation Challenges
- Method Development
- Pre-Clinical to Commercial
- Generics
- Need Perception
- Market Intelligence
- Idea-to-Market
- Product Development
- Life Cycle Management
- Brand Differentiation
- Tech Transfers
- Scale-Up
- Process Validation
- Product Launch
- Pilot Batches to Commercial Supply
- Contract Manufacturing
- Regulatory Strategy
- eCTD Submissions
- Turnkey Packaging
- Serialization
- Speed to Market
- cGMP Quality
- Superior Value
- Attentive Customer Service

CAPABILITIES

BioPlus® LIFE SCIENCES

MANUFACTURING

From concept to logistics, our product development capability and global market knowledge gives us a long-term sustainable advantage. Additionally, our Bangalore Whitefield facilities are EU CGMP Certified with 3 in-house laboratories.

Dosage Forms	Capacity
Tablets	7 Billion / Year
Capsules	630 Million / Year
Blend/ Powders	2000 Metric Tons / Year
Sachets	190 Million Sachets / Year
Liquids (2 Oz)	72 Million Bottles / Year
Liquids (17 Oz)	20 Million Bottles / Year
Effervescent	9.72 Million Tubes / Year

Manufacturing Sites

Location	Site 1	Site 2	Site 3
Land Area	70,000 Ft^2	70,000 Ft^2	15 acres
Type	Pharma-Solid oral dosage forms	Supplements-solid oral dosage forms	Hand Sanitizer R&D, F&D API / Biotech

Excellence in Manufacturing

Equipped with the latest technology, all our products are available in low or high-dose formulations, supplied in bulk or pre-packaged in bottles, jars, or blisters - to your specification. Our manufacturing suites are equipped with closed Loop product transfer systems to reduce product exposure & ensure the highest levels of safety.

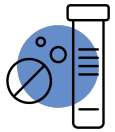
Over 400 products produced at our facility

Tablets

- Full range of shapes and sizes available
- IR/ SR Formulations, Effervescent Tablets & Bilayer Tablets
- Compression capabilities accommodate all types of materials
- Film coated available in clear and custom-made colors
- Chewable tablets technology available
- Time release manufacturing capabilities
- In-house film coating technology
- Over 7 billion tablets produced annually

Powders

- Sachets
- Concentrates
- Plant-based Protein Powders



Effervescent Tablets

- Supplements
- OTC Pharmaceuticals

Capsules

- Powder and pellet fill capabilities
- Wide variety of colors and sizes available
- Time release
- Vegan Liquid Capsules *Cellulose based 2-piece hard-shell oil filled capsules*

Sanitizers and Surface disinfectants

- 60 ml, 240 ml, 500 ml, 3.78 Liters, 5 Liters
- 2oz, 8oz, 16.9oz, 1 gallon, 1.32 gallons

Quality maintenance

Equipped with full-fledged Quality Control Laboratory with 4 dedicated material testing sections:

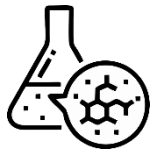
Our stability study section is equipped with 4 stability chambers including walk–in chamber and a photo stability study chamber, as per ICH guidelines

Our plants operate using international Quality Management System (QMS) as per International guidelines and to facilitate for continuous improvement.

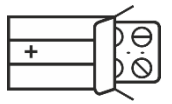
Environment Health and Safety (EHS) measures are in place as per global standards. Facilities are equipped with Effluent Treatment Plant, Emergency Response plan, to provide a safe and healthy working environment.

Instrumentation

Microbiological



Chemical



Packaging

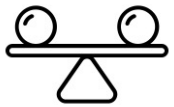
Analytical research & development

Product development is closely supported by an experienced analytical team of 40+ scientist with technical qualification like doctorates and masters in pharmaceutical science during the every phase of the development process.

Having a variety of expertise in various dosage forms for method development, scalability and validation

Analytical expertise:

Analytical method development and validation following ICHQ2 guideline



Stability study and Multimedia Dissolution profiles

ICHQ3C guideline Residual solvents testing By GC-HS

Cleaning method development and validation (UPLC, HPLC and UV)

Elemental Impurity study by ICP-MS

ICHQ3D guideline for related substances of new finished formulation and method transfer

Active Sourcing, Evaluation and Testing and Pre-formulations study of APIs

Integrated project management

Bioplus has an efficient development team bringing together the API development team and the formulation development teams at one location will accelerate project timelines, reduce costs and simplify processes for development. The laboratories will form a center of Excellence for fully integrated API and formulation development services, including


Pre-formulation studies


Prototype formulation development


Process development


Optimization

These development capabilities will seamlessly integrate offerings of cGMP supplies for clinical trials, registration batches and technology transfer (TT) at manufacturing site in India and overseas. Product development Lab state of the art world class infrastructure having principally line with commercial facility, the development team concise of 50+ scientist having qualification of doctorate and masters in pharmaceutical science

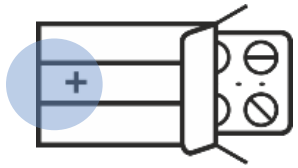
Packaging design & development

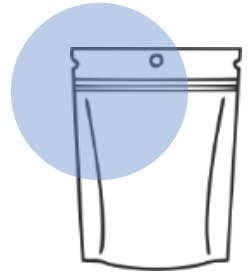
Bioplus has a fully integrated artwork & packaging development team for primary and secondary packaging. We ensure full compliance with all the customer and regulatory requirements. With a full team that includes artwork designing, packaging material development & packing material vendor development. A reengineering of the manufacturing and packaging process, along with the implementation of new technologies, allows us to minimize the holding time between different stages and will improve the quality of our products.

We are able to package in

- Blisters (PVC/PVDC/ACLAR, & Alu- Alu)
- Strip
- Blister in pouch
- Tamper proof systems
- Jar (with CRC & screw cap)
- Overt anti-counterfeit features meeting customer and other country specific requirements.

We even have the capability of designing packaging cases, pallet specifications & container stuffing optimization to maximize utility at all stages of the product supply chain.





R&D – Our true purpose

DEDICATED RESEARCH LABS

- Genetic metabolic engineering
- Biotechnology
- Organic Chemistry
- Dosage form development

ACTIVE INGREDIENTS

- 50,00 Litres Fermentation
- Stainless steel and glass reactors = 120,000 litres

FOCUSED MANUFACTURING

- Dedicated dosage form development plant
- Dedicated liquids plant
- 2 Dedicated oral dosage form manufacturing plants

R&D capabilities

Dosage form: Tablets, Capsule, Soft gel, Liquid Orals, Topicals (Ointment, Cream, Balm & Gel) & Injectable

Market: USA, Europe, Canada, Australia , ROW & Domestic

Tablets & Capsules
IR/ SR Formulations, Effervescent Tablets & Bilayer Tablets

Topicals
Ointment, Cream, Balm & Gel

Liquid Formulation
Syrup, Suspensions & Emulsions

Topicals
Ointment, Cream, Balm & Gel

New Drug Discovery & Safety
Liposomes, Gastro Retentive Drug delivery & Liquid fill capsules / Soft Gels

Thank you

Please submit any clarifications, queries via email to:

info@bioplus.in