

Meteoric[®]

— Biopharmaceuticals —

ENZYMES • PROBIOTICS • BIOACTIVES
FORMULATIONS • ANIMAL HEALTHCARE



An Integrated Biopharma Company

INDIA • USA • VIETNAM

[#innovationthroughdiscovery[®]](#)

#innovationthroughdiscovery®

We boast global headquarter in India, with strategic presence in the USA and Vietnam. Our advanced R&D centers, comprehensive regulatory accreditations, and robust portfolio of patents and trademarks reflect our dedication to pioneering research and quality

INDUSTRY REACH



Bio Pharmaceutical



Leather



Food and Beverages



Effluent



Biocatalyst



Textile



Animal Feed



Detergent



Bakery



Distillery

OUR MISSION

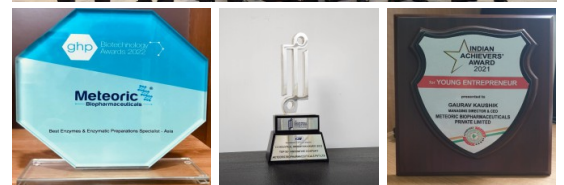
We are on a mission to revolutionize the biopharma arena through innovative solutions and unparalleled expertise

Product Segment & Services

We provide solutions in **Enzymes, Enzymatic Preparations, Probiotics, Prebiotics, Synbiotics, Postbiotics, Bioactives, Formulations, and Animal Health Care**, offering product customization, concept-based formulations, and contract manufacturing, integrated under one roof

Recognized for Excellence

Our pursuit of excellence has earned us prestigious accolades year on year, such as 'Pharma Company of the Year' by ASSOCHAM India 2024, 'Best SME of the Year' in Manufacturing category- Biotech Sector by Gujarat Industry development Association, 'Top 100 SMEs of India' by the India SME Forum 2022, the Best Enzymes and Enzymatic Preparations Specialist in Asia as the 'GHP Biotechnology Awards' 2022, UK, CII Industrial Innovation Awards 2022 as 'Top 50 Innovative Company', Nation Builder Recognition by India SME Forum in 2021.



GROUP METEORIC



Meteoric Biopharmaceuticals Animal Healthcare Division offers high-quality enzymes, probiotics, and nutraceuticals for dairy, poultry, and aquaculture. Focused on enhancing animal health, we provide reliable veterinary feed supplements and innovative enzymatic solutions for better efficacy



Meteoric Cosmeceuticals Pvt. Ltd., as part of the Meteoric Group, delivers next-generation cosmetic ingredients, including enzymes and bioactives. Our focus on the skin microbiome drives the development of innovative postbiotics and natural solutions. Backed by advanced research, our solutions provide pioneering innovations for the cosmetic industry



Panacea Phytoextracts Pvt. Ltd. specializes in standardized herbal extracts for biomedicines and cosmetics, emphasizing active metabolites and 100% certified purity. With 28 GMP-certified herbal solutions, we aim to expand R&D collaborations for innovative phytoextracts from indigenous plants



Established in 2019 as a CSR partner of Meteoric, VISHALWIN Foundation focuses on two key initiatives: VishalCARE, providing rehabilitation for children with neurodiversity, and VishalSAVE, enhancing road safety through ambulance installations and emergency response systems. Our mission is to foster inclusion and support for vulnerable communities across India





**Exports and
register to over
120 countries**



**Specialized in Enzymes,
Probiotics, Bio-actives &
FDF (Human and Animal)**



**Serving 1000+
customers
worldwide**



**30+ Probiotics isolated,
studied and registered
in internationally
recognized Gene bank**



**Expertise in Plant
based Enzymes &
Vegan Probiotics**



**Synergetic combinations
with appropriate
Prebiotics and Postbiotics**



**Science Backed &
Clinically Proven
Ingredients**



**Efficient supply
chain management**



NEWLY DEVELOPED: POWERFUL AND BIOAVAILABLE VEGAN ENZYMES

Pancreatin

Insufficiency Causes:

Type 1 and Type 2 Diabetes, Abdominal Pain, Loss Of Appetite, Bloating, Weight Loss, Diarrhea, Bone Pain, Muscle Cramps, Depression And Even Night Blindness

Pepsin

Insufficiency Causes:

Nutrient Deficiencies, Impaired Protein Digestion, Digestive Problems, Increased Risk Of Disease Like Anemia, Osteoporosis And Thyroid Problems

Traditional Solution



Animal Based Pancreatin



Not Feasible for

Vegan, Vegetarian, Ethically conscious diets, Individuals avoiding animal-derived products due to health, Allergic reactions, Religious, or Ethical reasons

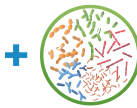
Introduced Innovative and Proven Vegan Solution of Animal originated Pancreatin and Pepsin

Metcreatin-Veg®

- Aids in Pancreatitis
- Improve stomach pain
- Supports in Digestive problems

MetPeps-Veg®

- Promotes Healthy pH Balance in the Stomach
- Help with Protein Utilization
- Improves Stomach Health



with Unique USP's



Active at a wide range of pH



Free from contaminants



Powder & Enteric coated pellet form



Residual solvent free



Highly concentrated & stable

Metcreatin-Veg® & MetPeps-Veg®

- Safety Proven by 14, 28 and 90-days study
- Efficacy Proven with comparison between Animal based market product and our Innovative *Metcreatin-Veg* & *MetPeps-Veg*

ENZYMES *in* THERAPEUTIC APPLICATIONS



Anti-inflammatory & Pain Relief

- Bromelain • Serratiopeptidase
- Papain • Nattokinase



Protein Digestion (Digestive Support)

- Pepsin • Vegan Pepsin • Pancreatin
- Pancreatin Enteric Coated • Granules/ Pellets
- Trypsin-Chymotrypsin • Trypsin, Chymotrypsin
- Protease • Vegan Pancreatin



Carbohydrate Digestion (Digestive Support)

- Alpha Amylase • Maltogenic Amylase • Isomerase
- Invertase • Alpha Galactosidase • Glucose Oxidase



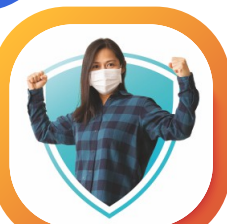
Lipid Digestion (Digestive Support)

- Lipase



Lactose Digestion (Digestive Support)

- Lactase



Immune Support & Antibiotic Replacement

- Lysozyme HCL • Lysozyme Microbial



Cardiovascular Health & Blood Flow

- Nattokinase • Co-Enzyme Q10



Anti-Oxidant & Cellular Health

- Co-Enzyme Q10



ENZYMES *in* THERAPEUTIC APPLICATIONS



Respiratory Health

• Bromelain • Serratiopeptidase



Metabolic Health & Energy Support

• Alpha Amylase • Maltogenic Amylase
• Isomerase



Wound Healing & Tissue Repair

• Bromelain • Papain • Trypsin • Chymotrypsin



Food Processing & Industrial Use

• Transglutaminase • Dextranase • Chymosin



Detoxification & Gut Health

• Alpha Galactosidase • Pepsin • Trypsin • Protease



Oral & Dental Health

• Glucose Oxidase • Lysozyme Microbial



Fiber & Plant Material Breakdown

• Cellulase • Hemicellulase • Beta Glucanase
• Xylanase • Mannanase (Acidic, Alkaline, Neutral)
• Pectinase



METBROMA® Bromelain

- Source: Stem of Pineapple (Ananas cosmosus)
- Activity available up to 3000 GDU/gm, 1100 CDU/mg & 6 FIP/mg
- Validated by GDU, CDU, USP NF & JP methods
- DMF, SDMF, KDMF and ASMF are available
- Quality Approved by Venture Laboratories and SORA Labs, USA.
- Excellent solubility and Variable bulk density.
- ETO and Aflatoxin free
- Complies with regulatory guideline in Food and Drug
- Odourless, Available in Powder, Granules and Pellets
- Supports in Protein digestion and IBS-IBD
- Improves Arterial Function
- Aids in joint health
- Speeds up post-surgery recovery
- Healthy respiratory functions

Meteozyme-P® Serratiopeptidase

- Source: Serratia E15
- Activity available up to 2600 IU/mg (SU/mg or SPU/mg) and 2300 IU/mg (Enteric Coated)
- Validated by IP, JP and Inhouse method
- DMF is available
- Approved by New Dietary Ingredient (Licence. No.1236)
- Complies with regulatory guideline in Food and Drug
- Available in the form of Powder and Enteric-Coated Granules (High Acid Resistance & Slow-Release Technology)
- ETO and Aflatoxin free
- Improves Arterial Function
- Supports post-surgery recovery
- Relieves pain
- Promotes healthy respiratory function
- Supports Heart health

METPAPA® Papain

- Source: Latex from fruit of Papaya (Carrica papaya)
- Activity available up to 1000 TU/mg, 60,000 USP/mg
- Method validation by USP, TU, PU, IP
- DMF is available
- Complies with regulatory guideline in Food and Drug
- Water solubility
- Sulphites, ETO and Aflatoxin free
- Odourless, Available in Powder, Liquid and Enteric Coated
- Aids in digestion
- Improve skin health (exfoliation)
- Improves Arterial Function and helps in wound healing
- Promotes immune health

NATTOLIFE® Nattokinase

- Source: Bacillus subtilis (Natto – Soy based food)
- Available Powder and EC form with activity up to 60,000 FU/g
- Evaluated by JP & In-house method
- Complies with regulatory guideline in Food and Drug
- Supports cardiovascular health by breaking down fibrin (clotting protein)
- Treatment of hypertension and lowering blood pressure
- Promotes healthy blood circulation
- Improved Sinus Health
- Aids in blood pressure management

Metcreatin-Veg® Vegan Pancreatin

- Activity available up to 180 Lipase U/mg and customizable high Amylase and Protease combinations for Powder
- Vegan alternative with enhanced stability and Excellent bioavailability compared to pancreatin from animal origin
- Active at a wide range of pH
- Highly concentrated & stable
- Powder & Enteric coated pellet form
- Free from contaminants
- Residual solvent free
- Clinically safe with additional health benefits
- Robust performance across broad pH range
- Free from ETO, Aflatoxin, solvents and contaminants such as steroid and pathogens
- Improves the digestion of macronutrients
- Promotes nutrient assimilation
- Ideal for sensitive stomachs
- Supports healthy gut function
- Improves pancreatitis

Pancreatin

- Activity available up to 11 X and customizable high lipase combinations for Powder
- Available with activity up to 40,000 USP U(Ph.Eur U) for Enteric Coated
- Validated by IP, EP, USP and BP methods
- DMF and KDMF is available
- Complies with regulatory guideline in Food and Drug
- Registered at CDSCO, India and registration in process at TRACES (European Commission).
- Available in Powder and Enteric Coated Form
- Treat conditions like Pancreatitis
- ETO and Aflatoxin free
- Supports digestion of fats, proteins, and carbohydrates
- Boosts nutrient intake efficiency
- Encourages healthy digestion
- Bovine source also available



Vegan Pepsin

- Activity available up to 10,000 U/mg
- A preferred vegan alternative with superior bioavailability compared to the Animal origin Pepsin
- Thermal stability high acid resistance enables it to function across stomach and duodenal pH.
- Free from ETO, Aflatoxin, solvents and contaminants such as steroids and virus such as TSE/BSE
- Promotes nutrient absorption and helps in Hypochlorhydria
- Digestion of antibodies and proteins
- Assessment of digestibility of proteins in food chemistry
- Preparation of collagen for cosmeceutical purposes
- Subculture of viable mammary epithelial cells
- Aid in digestion in various gastrointestinal conditions

Pepsin

- Available activities: 1:3000, 1:10,000 and 1:15000 NF U/mg
- Evaluated by IP, EP and USP
- Registered at CDSCO, India and DMF is available
- Complies with regulatory guideline in Food and Drug
- Water soluble and Sparingly soluble
- Sterile form available
- ETO and Aflatoxin free
- Enhance protein digestion
- Supports gut health, alleviates indigestion
- Promotes nutrient absorption
- Supports healthy stomach function

Fungal Alpha Amylase

- Activity available up to 1,00,000 IU/g, FAU/g, DU/g, SKB/g
- Validated by IP and In-house method
- Available in Powder and Granule form
- Water soluble and Thermostable
- Enhances carbohydrate digestion
- Supports nutrient absorption
- Aids in blood sugar regulation
- Promotes gut health
- Supports weight management

Bacterial Alpha Amylase

- Activity available up to 30,000 CEIP
- Validated by In-house method

Maltogenic Amylase

- Activity available up to 1,00,000 IU/g
- Water soluble and displays outstanding functionality across broad range of pH and temperature
- Breaks down starch into maltose
- Supports gut health
- Aids in blood sugar regulation
- Enhances nutrient absorption
- Supports healthy metabolism

Lactase (Acidic & Neutral)

- Activity available up to 2,00,000 ALU/gm (Acid lactase powder), 3000 ALU/gm (Lactase liquid), 5000 NLU/gm (neutral Lactase)
- Available in Powder and Liquid form
- Works at lower to neutral pH
- Known as Beta-Galactosidase, Acidic Lactase is globally preferred dietary enzyme to manage lactose intolerance while Neutral Lactase is used for production of low-lactose

Protease (Alkaline, Neutral, Acidic)

- Activity available up to 5,00,000 IU/g, HUT/g
- Wide range of pH available
- Efficiently breaks down protein and peptides
- Assists in maintaining gut balance
- Relieves inflammatory symptoms
- Boosts immune function
- Promotes muscle recovery

Trypsin-Chymotrypsin

- Activity with Trypsin - Chymotrypsin activity ratio of 6:1 (2400:400 USP U/mg), 1:1, 7:3
- Evaluated by USP method
- DMF is available
- Supports protein digestion
- Suppresses inflammatory processes
- Promotes recovery post-surgery
- Boosts digestive efficiency
- Relieves pain and discomfort

Trypsin

- Activity available up to 2500 USP/mg, 0.5µk/mg
- Evaluated by USP and BP methods
- DMF is available
- Supports protein digestion
- Helps break down peptides into amino acids
- Promotes healing
- Improves microbiome balance
- Reducing pain and inflammation from osteoarthritis



Chymotrypsin

- Activity available up to 1000 USP/mg, 5µk/mg
- Evaluated by USP and IP methods
- DMF is available
- Supports protein digestion
- Reduces inflammation
- Helps alleviate pain and swelling
- Enhances tissue repair

Lipase

- Available from different sources: Rhizopus oryzae, Candida rugosa & Aspergillus Spp..
- Available with activity up to 2,00,000 IU/g
- Effectively metabolize dietary fats and absorption
- Fat removal from chicken cartilage and hide
- Supports healthy lipid metabolism
- Reduces bloating
- Helps regulate body weight
- Supports heart health

Lysozyme HCl

- Activity available up to 40,000 IU/mg
- DMF is available
- Naturally derived from sources such as Hen egg white
- Used in food and Pharma
- Stable under broad pH and temperature range
- Controlled immunomodulatory functions
- Highly effective against Multiple Drug Resistance bacteria
- Optimizes Immune System

Lysozyme Microbial

- Activity available up to 5,00,000 IU/gm.
- Naturally derived bactericidal enzyme with broad specificity towards pathogens
- Antimicrobial activity
- Helps in post-operative skin infections

Cellulase

- Activity available up to 1,00,000 IU/g, CU/g
- Breaks down cellulose
- Supports fiber digestion
- Aids in the digestion of plant-based foods, reduces bloating

Dextranase

- Activity available up to 1,00,000 IU/gm
- Removes dextran impurities during the manufacturing process of refined sugar and syrups
- Prevent dental plaques

Pectinase

- Activity available up to 1,00,000 IU/g
- Selectively removes pectin component from pant roughage
- Ability to function at wide range of pH and temperature
- Breaks down pectin (a carbohydrate)
- Supports digestion of fruits and vegetables
- Promotes gut health
- Supports healthy skin

Hemicellulase

- Stable enzymatic compound with higher activity
- Activity with activity up to 1,00,000 IU/gm
- Ability to degrade hemicellulose component of plant biomass into simpler pentose and hexose sugars
- Efficiently function at acidic neutral and basic pH with salient thermostability
- Widely used in animal feed to improve the nutrient absorption and energy turnover ruminants
- Enhances the utilization of raw material to improve biofuel production and brewing yield
- Catalytically stable and compatible with various enzymes, making it suitable for bio-scouring and biobleaching applications in textile and paper industry

Xylanase

- Activity available up to 5,00,000 IU/gm
- Efficiently degrades the Xylan component of the plant fiber
- It has noticeable thermostability and retains significant functionality over a wide pH range
- Utilized as an eco-friendly bio-scouring and bio bleaching agent in textile and paper industry
- Clarifies xylan contaminants from food products and improves animal feed efficiency
- Key function in production of Xylo-oligosaccharides (XOS) prebiotic used to improve Gut Health

Invertase

- Activity available up to 2,00,000 IU/gm, SU/gm
- Breaks down sucrose into glucose and fructose
- Preventing crystallization in sugar syrups
- Contributes to smooth and creamy texture of confectionaries



Alpha Galactosidase

- Activity available up to 10,000 GALU/gm.
- Displays remarkable thermostability and functions across broad pH range.
- ETO and Aflatoxin free
- Catalyses the hydrolytic cleavage of glycoproteins and glycolipids
- Widely used as a dietary supplement
- Reduce abdominal pain
- Enhances the absorption of nutrients

Isomerase

- Activity available up to 2,00,000 IU/gm
- Greater thermostability, elongated half-life and functions efficiently in viscous medium
- Core functionality in the production of High Fructose Corn Syrup
- Also known as Glucose Isomerase and Xylose Isomerase
- Converts glucose and xylose into Fructose
- Improves energy metabolism
- Promotes digestive health
- Supports weight management

Glucose oxidase

- Activity available up to 50,000 IU/g
- Reduces glucose levels
- Supports blood sugar regulation
- Aids in energy metabolism
- Helps in wound healing by reducing oxidative stress

Glucoamylase

- Known as Amyloglucosidase
- Break down starch directly into glucose
- Used in the production of sugar syrups
- Commonly used for wrap sizing of textile fibers
- Reduce starch viscosity for efficient paper coating

Beta Glucanase

- Activity available up to 2,00,000 IU/gm
- Improves fabric texture
- Breaks down beta-glucans (found in grains and mushrooms)
- Supports digestive health
- Promotes immune function

Chymosin

- Rennet enzyme for cheese-making
- Efficiently coagulates milk for superior texture
- Used in cheese making
- Breaks down proteins in dairy products

Mannanase (Acidic, Alkaline, Neutral)

- Activity available up to 3,00,000 IU/g
- Breaks down mannans (complex carbohydrates)
- Improves gastrointestinal health
- Promotes gut health
- Reduces bloating and discomfort from fiber-rich foods

Transglutaminase

- Activity available up to 240 IU/gm.
- Helps to improve texture of meat
- Supports tissue repair
- Aids in wound healing
- promotes skin health
- Improve elasticity
- Strengthen of connective tissues

Fat-Soluble Coenzyme Q10 (Ubiquinone & Ubiquinol)

- Available in standard (Ubiquinone) and reduced (Ubiquinol) forms
- USP/EP grade, >98% purity (HPLC)
- Sourced from Pseudomonas, Rhodobacter, Agrobacterium spp
- Food & Pharma grade; solvent-free (No EA, IPA, or Methanol)
- Ideal for softgels & lipid suspensions
- Supports ATP production and acts as a potent antioxidant
- Promotes heart, cognitive health, and endurance
- Used in nutraceuticals, pharma, and anti-aging therapies
- Compatible with Vitamin E, Omega-3, etc.
- Beneficial for fatigue, recovery, statin users, and heart health

Water-Soluble Coenzyme Q10

- Available concentrations: Available up to 40%
- Assay methods: HPLC
- Ideal for beverages, sachets, effervescent tablets
- Enhanced bioavailability using micellar, liposomal, or nano-emulsion technology
- Also great for cosmetics: serums, lotions, gels
- Offers faster absorption & better bioavailability
- Boosts skin elasticity, reduces wrinkles & oxidative stress
- Supports heart & neurological health
- Perfect for sports & wellness blends
- Water-compatible and stable in aqueous formulations
- Suitable for beverages, tablets, sachets, and water-based supplements



CLINICALLY PROVEN PROPRIETARY ENZYME BLENDS

**Digestive Enzyme Blend for Gut Health,
Smooth Digestion and Stronger Muscles**

Digest with Ease, Move with Strength



MetDigestenz®

Each 400 mg contains:

Fungal Alpha Amylase	20000 IU
Glucoamylase	1000 IU
Neutral Protease	1600 IU
Protease	1600 IU
Lactase	2000 IU
Lipase	1000 IU
Phytase	1200 IU
Alpha Galactosidase	1000 GALU
Beta Glucanase	1000 IU
Invertase	2000 IU
Cellulase	2500 IU
Maltase	1200 IU
Papain	100 TU

Gastrointestinal support for better digestion



**Improve
Digestion**



Flatulence



**Helps in IBS
& Bloating**



Dyspepsia



**Digestion of
proteins, fats,
lipids and
carbohydrates**



**Management
of muscle soreness**



**Aids in
Abdominal
discomfort**



**Enhanced passive
stiffness, swelling
and inflammation**



**Helps in
Muscle
shortening**



**Low on strength
and power,
Localized soreness
and Disturbed
proprioception**



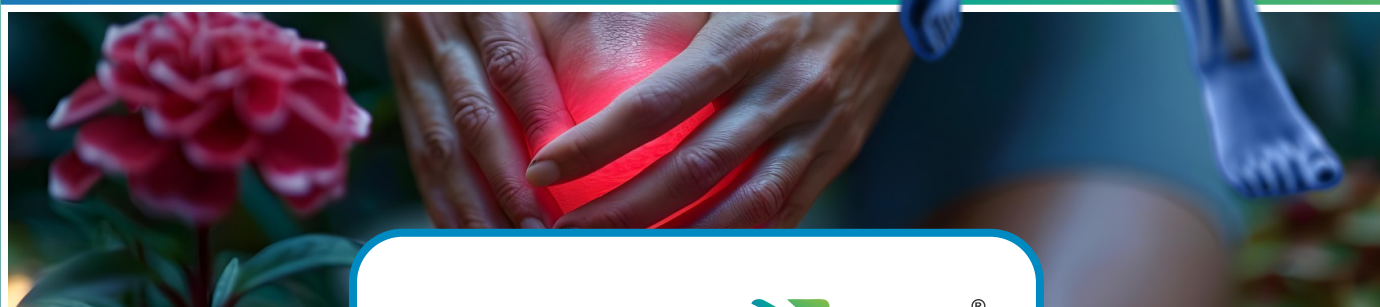
**Recover Muscle
damage**

*Available in various dosage and activity

CLINICALLY PROVEN PROPRIETARY ENZYMES AND BOTANICALS

Power Enzymes and Botanicals for
Enhanced Joint Comfort and Flexibility

Restore Mobility, Relieve the Pain



MetRelief TBR®

Reduce
inflammation,
restore
comfort

Each 335 mg contains:

Enteric coated Trypsin	NLT 48 mg
Enteric coated Bromelain	NLT 90 mg
Rutin Trihydrate	NLT 100 mg



**Anti-inflammatory
Action**



**Pain Relief and
Tissue Healing**



**Chronic Conditions
and Arthritis**



**Athletes
muscle injury**



**Post-Surgical Recovery
(reduce swelling,
bruising, and pain after
a surgical procedure)**

*Available in various dosage and activity





Fermented Dairy Products

- *Lactobacillus bulgaricus* MBLBM18
- *Streptococcus thermophilus* MBSTM9
- *Lactobacillus acidophilus* MBLAM3[®]
- *Lactobacillus helveticus* MBLHM63
- *Lactobacillus casei* MBLCM42 • *Lactobacillus lactis* MBLLM48
- *Lactobacillus rhamnosus* MBLRM6[®]



Probiotic Beverages

- *Bacillus coagulans* MBBCM9[™] • *Lactobacillus plantarum* MBLPM27[®]
- *Lactobacillus reuteri* MBLREM24[®] • *Lactobacillus paracasei* MBLCPM54
- *Bifidobacterium bifidum* MBBBM12[®] • *Bifidobacterium lactis* MBBALM27



Meat & Fish Fermentation

- *Lactobacillus sakei* MBLSKM90
- *Lactobacillus plantarum* MBLPM27[®]
- *Pediococcus acidilactisi* MBPAM57



Baked Goods & Bread

- *Bacillus coagulans* MBBCM9[™] • *Bacillus subtilis* MBBSM12[®]
- *Bacillus clausii* MBBCLM18 • *Saccharomyces cerevisiae* MBSCM72



Nutritional Supplements & Powders

- *Bacillus coagulans* MBBCM9[™]
- *Lactobacillus plantarum* MBLPM27[®]
- *Bacillus clausii* MBBCLM18
- *Bifidobacterium longum* MBBBLM15[®]
- *Saccharomyces boulardii* MBSBM6
- *Clostridium butyricum* MBCBM81



Infant Formula & Baby Food

- *Bifidobacterium breve* MBBBRM60 • *Bifidobacterium infantis* MBBIM30
- *Lactobacillus reuteri* MBLREM24[®]
- *Bifidobacterium longum* bv. *Infantis* MBBBLM15[®]



Confectionery (Chocolates & Bars)

- *Bacillus coagulans* MBBCM9[™] • *Bacillus subtilis* MBBSM12[®]
- *Lactobacillus rhamnosus* MBLRM6[®]
- *Bifidobacterium lactis* MBBALM27



PROBIOTICS *in* FOOD APPLICATIONS



Plant-Based & Vegan Products

- *Bacillus coagulans* MBBCM9™
- *Bifidobacterium animalis subsp. Lactis* MBBALM27
- *Lactobacillus plantarum* MBLPM27®
- *Lactobacillus salivarius* MBLSM51



Pickled Vegetables & Fermented Foods

- *Lactobacillus plantarum* MBLPM27®
- *Lactobacillus brevis* MBLBRM45
- *Pediococcus acidilactisi* MBPAM57
- *Bacillus coagulans* MBBCM9™



Functional Foods & Fortified Products

- *Bacillus coagulans* MBBCM9™ • *Bacillus subtilis* MBBSM12®
- *Bifidobacterium longum* MBBBLM15®
- *Saccharomyces cerevisiae* MBSCM72
- *Akkermansia muciniphila* MBAMM87



Cheese Production

- *Lactobacillus helveticus* MBLHM63
- *Streptococcus thermophilus* MBSTM9
- *Lactobacillus delbrueckii subsp. Bulgaricus* MBLBM18



Alcoholic Beverage Fermentation

- *Saccharomyces cerevisiae* MBSCM72
- *Bacillus amyloliquefaciens* MBBAM3



Animal Feed & Pet Food

- *Bacillus subtilis* MBBSM12® • *Bacillus coagulans* MBBCM9™
- *Bacillus clausii* MBBCLM18 • *Enterococcus faecium* MBEFM36



Soy & Plant-Based Fermentation

- *Bacillus subtilis* MBBSM12® • *Bacillus clausii* MBBCLM18
- *Bacillus licheniformis* MBBLM21®



Food Preservation & Safety

- *Bacillus subtilis* MBBSM12® • *Bacillus clausii* MBBCLM18
- *Bacillus amyloliquefaciens* MBBAM3
- *Streptococcus salivarius* MBSSM12





Gut Health & Digestive Support

- *Bacillus coagulans* MBBCM9™ • *Bacillus subtilis* MBBSM12®
- *Bacillus clausii* MBBCLM18 • *Bacillus amyloliquefaciens* MBBAM3
- *Bifidobacterium bifidum* MBBBM12® • *Bifidobacterium longum* MBBBLM15®
- *Bifidobacterium lactis* MBBALM27 • *Bifidobacterium breve* MBBBRM 60
- *Lactobacillus acidophilus* MBLAM3® • *Lactobacillus rhamnosus* MBLRM6®
- *Lactobacillus plantarum* MBLPM27® • *Lactobacillus casei* MBLCM42
- *Lactobacillus fermentum* MBLFM33 • *Lactobacillus helveticus* MBLHM63
- *Pediococcus acidalactisi* MBPAM57 • *Enterococcus faecium* MBEFM36
- *Lactococcus lactis* MBLLM78



Immune System Support

- *Bacillus coagulans* MBBCM9™ • *Bacillus clausii* MBBCLM18
- *Bacillus subtilis* MBBSM12® • *Bifidobacterium bifidum* MBBBM12®
- *Bifidobacterium lactis* MBBALM27 • *Lactobacillus rhamnosus* MBLRM6®
- *Lactobacillus reuteri* MBLREM24® • *Lactobacillus salivarius* MBLSM51
- *Streptococcus thermophilus* MBSTM9 • *Saccharomyces boulardii* MBSBM6
- *Clostridium butyricum* MBCBM81



Anti-Inflammatory & Allergy Relief

- *Bacillus clausii* MBBCLM18 • *Bacillus indicus* MBBIM15
- *Bifidobacterium longum* MBBBLM15® • *Lactobacillus rhamnosus* MBLRM6®
- *Lactobacillus reuteri* MBLREM24® • *Lactobacillus paracasei* MBLCPM54
- *Akkermansia muciniphila* MBAMM87



IBS & IBD Management

- *Bacillus coagulans* MBBCM9™ • *Bacillus subtilis* MBBSM12®
- *Bifidobacterium longum* MBBBLM15® • *Bifidobacterium longum subsp. Infantis* MBBIM30
- *Lactobacillus plantarum* MBLPM27® • *Lactobacillus rhamnosus* MBLRM6®
- *Saccharomyces boulardii* MBSBM6



Mental Wellbeing & Mood Support

- *Bifidobacterium longum* MBBBLM15® • *Bifidobacterium breve* MBBBRM60
- *Lactobacillus helveticus* MBLHM63 • *Lactobacillus rhamnosus* MBLRM6®



Women's Health & Vaginal Flora

- *Lactobacillus crispatus* MBLCM75 • *Lactobacillus jensenii* MBLJEM66
- *Lactobacillus johnsonii* MBLJM69 • *Lactobacillus reuteri* MBLREM24®





Oral Health

- *Streptococcus salivarius* MBSSM12 • *Streptococcus thermophilus* MBSTM9
- *Lactobacillus salivarius* MBLSM51



Weight Management & Metabolic Health

- *Akkermansia muciniphila* MBAMM87 • *Bifidobacterium breve* MBBBRM60
- *Lactobacillus gasseri* MBLGM21



Traveler's Diarrhea & Infections

- *Saccharomyces boulardii* MBSBM6 • *Bacillus clausii* MBBCLM18
- *Lactobacillus rhamnosus* MBLRM6®



Cholesterol & Heart Health

- *Lactobacillus plantarum* MBLPM27® • *Lactobacillus reuteri* MBLREM24®
- *Bacillus coagulans* MBBCM9™



Post-Antibiotic Recovery

- *Saccharomyces boulardii* MBSBM6 • *Bacillus clausii* MBBCLM18
- *Lactobacillus rhamnosus* MBLRM6® • *Clostridium butyricum* MBCBM81



Skin Health & Anti-Aging

- *Lactobacillus helveticus* MBLHM63 • *Bifidobacterium breve* MBBBRM60
- *Bifidobacterium longum* MBBBLM15®



PROBIOTICS

Product Name	Strain Name	MTCC Acc. No	NCBI Acc. No
<i>Bacillus coagulans</i>	MBBCM9™	MTCC 25157	16S- MN736120
<i>Lactic acid Bacillus</i>			WGS -
<i>Bacillus sporogenous/</i>			JABDSL000000000
<i>Lactobacillus sporogenes</i>			
<i>Wiezmannia coagulans</i>			
<i>Bacillus subtilis</i>	MBBSM12®	MTCC 25292	MW290934
<i>Bacillus clausii</i>	MBBCLM18	MTCC 25400	MW290931
<i>Alkalihalobacillus clausii</i>			
<i>Bacillus amyloliquefaciens</i>	MBBAM3	MTCC 25623	PP196108
<i>Bacillus megaterium</i>	MBBMM24	MTCCXXXX	PP196114
<i>Bacillus licheniformis</i>	MBBLM21®	MTCC 25443	OL440917
<i>Bacillus mesentericus</i>	MBBMEM30	MTCCXXXX	
<i>Bacillus indicus</i>	MB BIM15	MTCCXXXX	
<i>Bacillus pumilus</i>	MBBPM6	MTCCXXXX	
<i>Bacillus polymyxa</i>	MBBPOM27	MTCCXXXX	
<i>Bifidobacterium bifidum</i>	MBBBM12®	MTCC 25473	
<i>Bifidobacterium longum</i>	MBBBLM15®	MTCC 25474	OP542590
<i>Bifidobacterium lactis</i>	MBBALM27	MTCC 25633	
<i>Bifidobacterium animalis subsp. lactis</i>			
<i>Bifidobacterium Infentis</i>	MBBIM30	MTCC 25651	PP196110
<i>Bifidobacterium longum subsp. infantis</i>			
<i>Bifidobacterium longum bv. Infantis</i>			
<i>Bifidobacterium longum infantis</i>			
<i>Bifidobacterium breve</i>	MBBBRM 60	MTCC 25595	
<i>Lactobacillus acidophilus</i>	MBLAM3®	MTCC 25346	Mn744691
<i>Lactobacillus rhamnosus</i>	MBLRM6®	MTCC 25430	MZ410772
<i>Lactobacillus rhamnosus GG</i>			
<i>Lactobacillus bulgaricus</i>	MBLBM18	MTCC 25592	
<i>Lactobacillus gasseri</i>	MBLGM21	MTCC 25593	OP926020
<i>Lactobacillus reuteri</i>	MBLREM24®	MTCC 25649	OR432316
<i>Lactobacillus plantarum</i>	MBLPM27®	MTCC 25594	
<i>Lactobacillus casei</i>	MBLCM42	MTCC 25650	OR432338
<i>Lactobacillus brevis</i>	MBLBRM45	MTCCXXXX	
<i>Lactobacillus lactis</i>	MBLLM48	MTCCXXXX	
<i>Lactobacillus salivarius</i>	MBLSM51	MTCC 25747	
<i>Lactobacillus paracasei</i>	MBLCPM54	MTCC 25632	
<i>Lactocaseibacillus paracasei</i>			OR432298
<i>Lactobacillus fermentum</i>	MBLFM33	MTCCXXXX	
<i>Lactobacillus helveticus</i>	MBLHM63	MTCC25744	
<i>Lactobacillus jensenii</i>	MBLJEM66	MTCCXXXX	
<i>Lactobacillus johnsonii</i>	MBLJM69	MTCC 25745	
<i>Lactobacillus crispatus</i>	MBLCM75	MTCC 25746	



PROBIOTICS

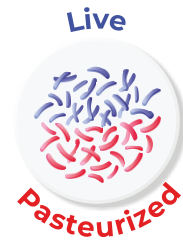
Product Name	Strain Name	MTCC Acc. No	NCBI Acc. No
<i>Streptococcus thermophilus</i>	MBSTM9	MTCC 25431	MZ410783
<i>Streptococcus salivarius</i>	MBSSM12	MTCCXXXX	
<i>Saccharomyces boulardii</i>	MBSBM6	MTCC 25401	OP925906
<i>Saccharomyces cerevisiae</i>	MBSCM72	MTCC 25736	PP204300
<i>Pediococcus acidalactisi</i>	MBPAM57	MTCC 25743	
<i>Clostridium butyricum</i>	MBCBM81	MTCCXXXX	
<i>Enterococcus faecium</i>	MBEFM36	MTCC 25624	PP195986
<i>Enterococcus faecalis</i> (<i>Streptococcus faecalis</i>)	MBSEFM84	MTCCXXXX	
<i>Lactococcus lactis</i>	MBLLM78	MTCCXXXX	
<i>Akkermansia muciniphila</i>	MBAMM87	MTCCXXXX	

POSTBIOTICS

Product Name	Strain Name
<i>Lactobacillus reuteri</i>	MBLREM24 [®]
<i>Lactobacillus fermentum</i>	MBLFM33
<i>Lactobacillus acidophilus</i>	MBLAM3 [®]
<i>Lactobacillus bulgaricus</i>	MBLBM18
<i>Lactobacillus casei</i>	MBLCM42
<i>Lactobacillus salivarius</i>	MBLSM51
<i>Lactobacillus helveticus</i>	MBLHM63
<i>Lactobacillus plantarum</i>	MBLPM27 [®]
<i>Lactobacillus paracasei</i>	MBLCPM54
<i>Lactobacillus brevis</i>	MBLBRM45
<i>Lactobacillus rhamnosus</i>	MBLRM6 [®]
<i>Bacillus coagulans</i>	MBBCM9 [™]
<i>Alkalihalobacillus clausii</i>	MBBCLM18
<i>Bacillus amyloliquefaciens</i>	MBBAM3
<i>Bacillus megaterium</i>	MBBMM3
<i>Bacillus licheniformis</i>	MBBLM21 [®]
<i>Bifidobacterium bifidum</i>	MBBBM12 [®]
<i>Bifidobacterium longum</i>	MBBBLM15 [®]
<i>Akkermansia muciniphila</i>	MBAMM87



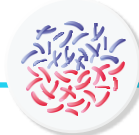
Akkermansia muciniphila MBAMM87



“ *Akkermansia muciniphila* MBAMM87:
Mucin-degrading bacteria ”

As a prominent species within the gut's mucus layer, it plays a pivotal role in supporting beneficial microbial networks—earning it the nickname, ***The Powerhouse Bacterium.**

Mechanism of Action:



Akkermansia muciniphila MBAMM87

Improvement of **intestinal barrier integrity**

Production of **SCFAs** and *Akkermansia* specific microbial products (**Amuc**)

Modulation of **immune cells** population and inflammatory cytokines



Healthy Cell
Growth

Reduction of
tumorigenesis-associated inflammation
Enhancement of cancer
suppressing macrophages
Disruption of damaged cell
micro-environment

Anti-inflammatory effect
Gut eubiosis



Inflammatory
Bowel Diseases

Promotion of other
butyrate-producing bacteria
Reduction in macrophages and CD4+ T cells
Increase in regulatory T cells in the gut

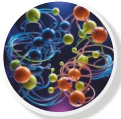


Metabolic and Cardiovascular Diseases

Modulation of the endocannabinoid system and increased secretion of GLP-1, weight loss, insulin sensitivity and improved dyslipidemia HSCs inhibition and improved liver fibrosis
Reduction of atherosclerotic lesions dimension

- Through the direct and indirect regulation of immune system response, inflammatory, and endocrine pathways, as well as its substantial influence on gut ecology





Gut Function:

- Plays a crucial role in Gut Health
- Protect against Leaky Gut
- Intestinal barrier Integrity
- Improve Glucose Regulation



Pasteurized Akkermansia and its future prospects

- Enhance Its Stability
- Used in Food Supplements
- Maintains active membrane proteins
- Triggers both host metabolic and immune responses

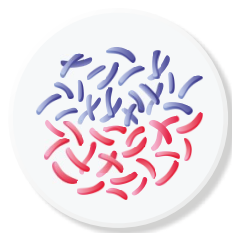


Type 1 diabetes

- ↓ Mucus production & antimicrobial peptide Reg3γ
- ↓ Delay in diabetes development
- ↑ Serum endotoxins & islet TLR2/4 expression

Obesity and associated metabolic disorders

- ↓ Body weight and fat mass
- ↓ Insulin resistance
- ↓ Inflammation
- ↓ Liver dysfunction markers



*Akkermansia
muciniphila*
MBAMM87

Depression and anxiety

- ↑ Serum & brain serotonin levels
- ↓ Anxiety & depression
- ↓ Cognitive impairment
- ↓ Inflammation

Inflammatory bowel disorders

- ↑ Gut barrier function
- ↓ Inflammation
- ↓ Disease activity index
- ↓ Histopathology score

Periodontitis

- ↑ Anti-inflammatory response
- ↓ Alveolar bone loss
- ↓ Soft tissue inflammation

Severe fever with thrombocytopenia syndrome

- ↓ Virus titers
- ↓ Inflammation

Apoptosis cell

- ↓ Resistance to ICI (NSCLC)
- ↑ Efficacy of AD treatment (PC)
- ↑ Efficacy of IL-2 treatment (CRC/ melanoma)



CLINICALLY PROVEN PROPRIETARY PROBIOTIC BLENDS




MetSheFlora-Pro™

Each 450mg contains: 150 Billion

**Say Goodbye to Discomfort,
Hello to Wellness**

<i>Lactobacillus acidophilus</i> MBLAM3®	15 B
<i>Lactobacillus johnsonii</i> MBLJM69	10 B
<i>Lactobacillus reuteri</i> MBLREM24®	15 B
<i>Lactobacillus rhamnosus</i> MBLRM6®	10 B
<i>Lactobacillus crispatus</i> MBLCM75	10 B
<i>Lactobacillus delbrukispp.bulgaricus</i> MBLBM18	10 B
<i>Lactobacillus plantarum</i> MBLPM27®	15 B
<i>Lactobacillus helveticus</i> MBLHM63	10 B
<i>Lactobacillus gasseri</i> MBLGM21	10 B
<i>Bifidobacterium breve</i> MBBBRM60®	10 B
<i>Bifidobacterium bifidum</i> MBBBM12®	10 B
<i>Bifidobacterium longum</i> MBBBLM15®	15 B
<i>Bifidobacterium lactis</i> MBBALM27	10 B

Health benefits



**Prevents Bacterial
Vaginosis**



**Promote Urinary
Health**



**Maintains Healthy
Vaginal Flora**



**Reduce The Risk
of UTI**

Customized concentrations available




MetProrenes®

Each 450mg contains: 100 Billion

<i>Lactobacillus acidophilus</i> MBLAM3®	20 B
<i>Bifidobacterium longum</i> MBBBLM15®	30 B
<i>Streptococcus thermophilus</i> MBSTM9®	30 B
<i>Lactobacillus plantarum</i> MBLPM27®	20 B

**Don't Wait for the Pain-
Protect Your Kidneys Today**

Health benefits



Helps in Kidney Functioning



**Reduce The Absorption
Of Oxalic Acid**



**Decrease Risk Of
Kidney Stone Formation**

Customized concentrations available



CLINICALLY PROVEN PROPRIETARY PROBIOTIC BLENDS



MetProUltima®

Each 450mg contains: 140 Billion

<i>Lactobacillus acidophilus</i> MBLAM3®	10 B
<i>Lactobacillus brevis</i> MBLBRM45	10 B
<i>Lactobacillus casei</i> MBLCM42	10 B
<i>Lactobacillus rhamnosus</i> MBLRM6®	10 B
<i>Lactobacillus paracasei</i> MBLCPM54	10 B
<i>Lactobacillus salivarius</i> MBLSM51	10 B
<i>Lactobacillus plantarum</i> MBLPM27®	15 B
<i>Lactobacillus bulgaricus</i> MBLBM18	10 B
<i>Bifidobacterium breve</i> MBBBRM60®	10 B
<i>Bifidobacterium bifidum</i> MBBBM12®	10 B
<i>Bifidobacterium longum</i> MBBLM15®	10 B
<i>Bifidobacterium lactis</i> MBBALM27	15 B
<i>Bacillus coagulans</i> MBBCM9™	20 B

Nourish Your Gut, Boost Your Immunity

Health benefits



Restores Healthy
Gut Flora



Improve Digestion



Supports Gastrointestinal
Health



Boost Immunity

Customized concentrations available



MetBaciTrio™

Each 250 mg contains: 100 Billion

<i>Bacillus coagulans</i> MBBCM9™	40 B
<i>Bacillus subtilis</i> MBBSM12®	30 B
<i>Bacillus clausii</i> MBBCLM18	30 B

The Athlete's Advantage in Gut-Driven Performance

Health benefits



Helps in IBS and IBD



Supports in Gastrointestinal Disorders



Aids in Digestion

Customized concentrations available



Hydrators & Moisturizers

- Sodium Hyaluronate • Hyaluronic Acid
- Sodium Hyaluronate from Tremella
- Chondroitin Sulfate
- N-Acetyl Glucosamine (GlcNAc)

Antioxidants & Skin Protectors

- L-Theanine • L-Glutathione Reduced & Oxidized
- L-Glutathione Enriched Yeast Extract
- Superoxide Dismutase (SOD)

Skin Barrier & Anti-aging

- L-methyl tetrahydrofolate calcium
- Beta Glucan • Phosphatidyl Choline
- Phosphatidyl Serine

Cell Regenerators & Skin Repair

- S-Adenosyl-L-Methionine • ATP (Adenosine Triphosphate)
- PQQ (Pyrroloquinoline Quinone Disodium Salt)
- Ademetionine (1,4-butanedisulfonate)

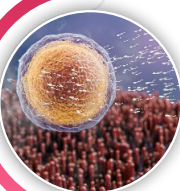
Enzyme & Activity Modulators

- Liposomal Glutathione
- Hyaluronidase

Bioenergetic & Skin Revitalizers

- Healthcare supplements
- NMN / NMNH / NAD / NADH / NR
- IVD: NAD / NADH / NADP / NADPH / S-NAD





Wound Healing & Tissue Repair

- Sodium Hyaluronate • Hyaluronic Acid
- Sodium Hyaluronate from Tremella (Tremella)



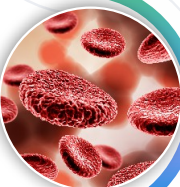
Antioxidants & Cellular Protection

- Superoxide Dismutase (SOD) • Lutein • L-Theanine
- L-Glutathione Reduced & Oxidized • Yeast Extract
- Liposomal Glutathione • S-Adenosyl-L-Methionine
- ATP (Adenosine Triphosphate)
- PQQ (Pyrroloquinoline Quinone Disodium Salt)



Cognitive & Mental Health

- Alpha GPC (Alpha-Glycerolphosphorylcholine)
- Phosphatidyl Choline • Phosphatidyl Serine



Anti-Inflammatory & Immune Support

- L-Theanine • L-Glutathione Enriched Yeast Extract
- L-Glutathione Reduced & Oxidized • Beta Glucan
- N-Acetyl-L-cysteine • Lactoferrin



Bone & Joint Health

- Sodium Hyaluronate from Tremella (Tremella)
- Chondroitin Sulfate • Sodium Hyaluronate • Hyaluronic Acid
- N-Acetyl Glucosamine



Vitamins & Co-Factors

- L-methyl tetrahydrofolate calcium • Beta Glucan
- Lutein



Liver & Detox Support

- S-Adenosyl-L-Methionine • N-Acetyl-L-cysteine
- Ademetionine (1,4-butanedisulfonate)
- Liposomal Glutathione



Energy Metabolism & Vitality

- Healthcare supplements: NMN / NMNH / NAD / NADH / NR
- IVD: NAD / NADH / NADP / NADPH / S-NAD
- ATP (Adenosine Triphosphate)
- PQQ (Pyrroloquinoline Quinone Disodium Salt)



Hyaluronic Acid Cosmetic Grade

PRODUCT NAME	FUNCTIONS
Sodium Hyaluronate (HMW 1.5-2.5M Da)	<ul style="list-style-type: none"> High water retention, Lubricating and fflm-forming
Sodium Hyaluronate (MMW 0.5-1.5M Da)	<ul style="list-style-type: none"> Keep skin moisture and lubrication for a long time
Sodium Hyaluronate (LMW 0.1-0.5M Da)	<ul style="list-style-type: none"> Nourishing the skin, easily absorbed by skin, increase skin nutrition
Sodium Hyaluronate (ULMW <0.1M Da)	<ul style="list-style-type: none"> Transdermal absorption, deep moisturizing, repairing damaged
Sodium Hyaluronate (1% Solution)	<ul style="list-style-type: none"> 1% Sodium Hyaluronate Solution serum
Oligo HA (MW<10K Da)	<ul style="list-style-type: none"> Antioxidant free radicals, repair cell damage Firm and anti-wrinkle, absorbent through
Hydrolyzed Sodium Hyaluronate	<ul style="list-style-type: none"> Deep moisturizing, anti-aging, reduce skin wrinkles, after-sun repair
Sodium Acetylated Hyaluronate	<ul style="list-style-type: none"> Has a strong water absorption, and after the reaction of acetyl group, it is derived into the acetated sodium hyaluronate of both water and oil, which can play a double role in moisturizing, repairing the cuticle barrier, improving skin elasticity and other biological activities, thereby improving the dry and rough skin and rejuvenating the soft and elastic skin
Cationic Sodium Hyaluronate Solution	<ul style="list-style-type: none"> Scalp care: Hyaluronic acid can enhance the scalp's hydration and moisturizing ability, moisturize the scalp, and improve itching and dandruff caused by dry scalp.
Sodium Hyaluronate Crosspolymer	<ul style="list-style-type: none"> Smooth and not sticky feeling Forms a crosslinked network on the skin surface Long-lasting moisturizing effect because of its good stab Increases skin elasticity and reduces skin roughness
4D Sodium Hyaluronate	<ul style="list-style-type: none"> Droplet state: Drawing, good elasticity, round drops Skin senses: Light skin, no mud,no peeling, The application is easy to push, fflm forming and uniform
5D Sodium Hyaluronate	<ul style="list-style-type: none"> Droplet state: Drawing, good elasticity, round drops Skin senses: Light skin, no mud,no peeling, The application is easy to push, fflm forming and uniform
8D Sodium Hyaluronate	<ul style="list-style-type: none"> Droplet state: Drawing, good elasticity, round drops Skin senses: Light skin, no mud,no peeling, The application is easy to push, fflm forming and uniform
Sodium Polyglutamate	<ul style="list-style-type: none"> Synergize with hyaluronic acid that prolongs the moisturizing time of sodium hyaluronate and whitens the skin, low molecular Sodium Polyglutamate has the effect of scavenging free radicals and repairing photoaging
Multiple Sodium Hyaluronate Solution	<ul style="list-style-type: none"> Without molecular weight segment sodium hyaluronate, the formation of three-dimensional sponge structure, all-round multi-level skin care
Sodium Hyaluronate (Colour Cosmetics)	<ul style="list-style-type: none"> Specially designed for colour cosmetics, it locks water firmly, moisturizes efficiently and relieves dry skin caused by oily ingredients
Sodium Hyaluronate Fermentation Filtrate	<ul style="list-style-type: none"> Whitening anti-allergy, anti-oxidation, skin tightening and pore shrinking
Fullerene	<ul style="list-style-type: none"> Whitening anti-allergy, anti-oxidation, skin tightening and pore shrinking
Sodium Hyaluronate Solution	
Tremella Fuciformis Polysaccharide	<ul style="list-style-type: none"> Highly effective moisturizing, anti-oxidation and anti-aging, improve skin feeling
Rejuvenating Small Molecule (800 Da)	<ul style="list-style-type: none"> Transdermal absorption, promote cell value added, repair UV damage, inhibit inflammatory factors, promote collagen synthesis
Ectoin	<ul style="list-style-type: none"> Water locking and moisturizing, repairing skin water locking system, reducing inflammatory response, anti-aging and improving skin immunity
Zinc Hyaluronate	<ul style="list-style-type: none"> Moisturizing, antioxidant, skin soothing, skin oil reduction, anti-bacterial and anti-inflammatory



Hyaluronic Acid Pharmaceutical Grade

PRODUCT NAME

Sodium Hyaluronate (Eye Drops Grade)

FUNCTIONS

- Lubricating, moisturizing, improving efficacy of drugs, relieving dry eye syndrome, and promote healing of corneal and conjunctival damage
- Promote wound healing
- Drug or cell carrier / matrix
- Repairing damaged mucosa or cartilage, etc

Sodium Hyaluronate (Injection Grade)

- Viscoelasticity, Protecting corneal endothelium Lubricity, Repair of damaged cartilage, Inhibition of inflammation, Pain relief
- Hyaluronic acid and its derivatives have good biocompatibility and biodegradability

Hyaluronic Acid Food Grade

Sodium Hyaluronate

- Enhances skin moisture, reduces pigmentation, improves fine lines, relieves joint pain, and protects gastric mucosa

Tremella Fuciformis Polysaccharide

- Anti-oxidation and anti-aging, beauty and skin care, hypoglycemic and lipid-lowering, and immune regulating effects

γ -Aminobutyric Acid

- Promote sleep, relieve fatigue, relieve stress, and calm the mind

Ergothioneine

- Anti-oxidation, mitochondrial repair, anti-aging

L-Theanine

- Available assay in 98.0% - 102.0%
- Water Soluble
- Reduces stress, promotes relaxation
- Used in treatments for anxiety and sleep disorders
- Provides pleasant savory tasteflavor in hot beverages

L-Glutathione Reduced

- Available assay up to 98.0%
- Enzymatic and Fermentation based
- Complies with USP & EP standards
- Sterile grade available
- Reduced form: Anti-aging, skin-lightening
- Supports detoxification, immune boosting
- Used in liver protection

L-Glutathione Oxidized

- Available assay up to 98.0%
- Is produced by the oxidation of reduced glutathione
- Oxidized form: Monitors oxidative stress in healthcare/biotech
- It is antioxidant that helps combat oxidative stress and supports cellular health
- Maintaining a healthy liver and detoxifying harmful substances

L-Glutathione Enriched Yeast Extract

- Available assay up to 98%
- L-Glutathione is extracted from *Saccharomyces cerevisiae* through fermentation
- Titrimetric method by EP and USP
- Extends shelf-life of perishable foods
- Enhances nutrition & digestion in food
- Offers immunomodulatory & detoxifying benefits
- Supports skin health, detoxifies the skin
- Skin brightening
- Provides antioxidant protection
- Used in liver detoxifying medications

Nicotinamide mononucleotide Enriched Yeast Extract

- Available assay up to 98%
- Nicotinamide mononucleotide is extracted from *Saccharomyces cerevisiae* through fermentation
- Assay by HPLC
- Cellular renewal & anti-aging effects
- Enhances mitochondrial function for sustained, natural energy
- Supports healthy blood sugar levels & weight management
- Reinforces immunity and overall health



S-Adenosyl-L-Methionine (SAME)

- Available assay in 95.0% - 105.0%
- Available in Powder and Granule form
- Available in USP grade
- Nutraceutical & pharma ingredient for hepatic care
- Improves Arterial functions and manages Joint health pain
- Promotes skin cell renewal and repair
- Mood-regulation and Uplift Mood supplements

Ademetionine (1,4-Butanedisulfonate)

- Supports glutathione levels for liver protection
- Potential treatment for Uplift Mood
- Used in Joint health for pain relief
- Supports skin regeneration and collagen synthesis
- Mood-regulating supplements

Adenosine Triphosphate (ATP)

- Available assay with 98%
- Used in performance-enhancing formulations for athletes
- Common in biochemistry diagnostics
- Boosts skin energy and anti-aging supplements
- Promotes cellular repair and rejuvenation
- Energy production
- Muscle health
- Used in recovery treatments for muscle or nerve injuries

L-Methyl Tetrahydrofolate

- Available form L-Methyl folate, Calcium L-5-Methyltetrahydrofolate
- Available assay with 95%
- Complies with USP & IH standards.
- Available with calcium form ranging from 6.0 to 8.5%
- Available without calcium form
- With water content ranging from 6.0 to 17.0%
- Natural folic acid substitute for fortified foods & infant formula
- Highly bioavailable vs. folic acid
- Supports neuropathy & cognitive function
- Supports skin cell regeneration and overall skin health
- Brain function, cognitive health
- DNA synthesis supplements
- Used in prenatal vitamins and supports Neurological health

Bile Salt

- Available assay in 60% cholic acid
- Complies with USP standards
- Enhances fat digestion & absorption of vitamins (A, D, E, K)
- Effective in fat reduction & body contouring
- Used in biochemical diagnostics
- Used in pharmaceutical bile acid therapies

Alpha GPC

- Available assay in 98.0% - 101.0%
- Improves cognitive function
- Supports Cognitive function, Dementia, Cognitive decline
- Enhances skin cell function by improving cognitive function
- Memory enhancement
- Used in pharmaceutical products for Cognitive function treatment

Liposomal Glutathione

- Available assay up to 50%
- Enhanced absorption via liposomal technology
- Boosts collagen for firm & elastic skin
- Enhances skin protection, detoxifies the skin
- Boosts antioxidant protection

Yeast Beta Glucan

- Available assay in 70%, 80% and 90%
- Soluble and insoluble forms available
- Promotes gut health & immunity
- Helps Normal Cholesterol levels & Maintains Healthy blood sugar
- Used in cosmetics for anti-aging & moisturizing
- Improve arterial function, and promotes wound healing
- Immune boosting supplements

Oat Beta Glucan

- Available assay up to 90%
- Available in soluble and odourless form
- Beneficial for high Heart Health risk populations
- Anti-wrinkle promise
- Lowers the risk of coronary Heart Health by significantly Normal Cholesterol levels
- Stimulating immune cell function



Mushroom Beta Glucan

- Sourced from premium medicinal mushrooms (e.g., Shiitake, Reishi)
- Rich in 1,3/1,6 Beta Glucans for immune support
- Available in high-purity, soluble, and tasteless form
- Enhances innate and adaptive immune responses
- Supports gut health and microbiome balance
- Acts as a natural immune modulator
- Suitable for functional foods, supplements, and beverages
- Backed by studies for Improves Arterial Function and antioxidant properties

Chondroitin Sulfate

- Available assay up to 90%
- Sources: Bovine, Porcine, Chicken, Shark cartilage
- Used for Joint health & cataract treatment
- Improves skin hydration & collagen production
- Improve skin arterial functions, promotes tissue repair
- Joint health and mobility supplements
- Improves Arterial functions
- Used in injectable products for joint pain relief

PQQ (Pyrroloquinoline Quinone Disodium Salt)

- Available assay up to 98%
- Used for mitochondrial health and cellular protection
- Enhances lipid metabolism & insulin sensitivity
- Protects cardiac & neurological health
- Supports skin rejuvenation and anti-aging supplements
- Used for anti-aging skincare
- Reduces oxidative stress

Phosphatidyl Choline

- Available assay up to 70%
- Brain health, vital choline source
- Enhances liposome-based drug delivery
- Improves bioavailability of poorly soluble drugs
- Improves skin hydration, elasticity and helps with skin regeneration
- Brain health, cognitive function and medications for neurological conditions
- Used in liver disease treatments

Phosphatidyl Serine

- Available assay up to 70%
- Prevents age-related cognitive decline
- Reduces stress & anxiety
- Supports muscle recovery & skin barrier function
- Improves skin hydration, elasticity, and helps with skin regeneration
- Brain health, cognitive function, and mood-enhancing supplements
- Used in medications for neurological conditions

N-Acetyl Glucosamine

- Available assay: 98.0% - 101.0%
- Reduces hyperpigmentation
- Hydrates and improves skin elasticity, promotes wound healing
- Helps with Normal Joint Function

N-Acetyl-L-Cysteine

- Available assay: 98.0% - 101.0%
- Enhances bone regeneration
- Protects skin from UV damage
- Protects skin from oxidative stress
- Supports detoxification
- Respiratory Function

Lutein

- Available assay in 5% - 70% purity
- Available in Powder, Oil and Beadlets
- Available in Ester and Ester-free
- Prevents macular degeneration
- Used in poultry & aquaculture for color enhancement
- Protects skin from UV & oxidative stress
- Protects skin from oxidative damage and blue light exposure
- Supports skin vitality
- Used in treatments for eye diseases like macular degeneration

Lactoferrin

- Available assay: 80%, 90%, 95%
- Iron saturation of 8-20%
- Good solubility for easy processing
- Minimal processing to retain bioactivity
- Protecting breastfeeds infants against infection
- Boosts immunity & iron absorption
- Reduces redness, acne & Mild Acne in skincare



Superoxide Dismutase (SOD)

- Available assay up to 1,00,000 IU/g
 - Improves Arterial functions & Heart Health
 - Protects skin from UV damage
 - Prevent the degradation of food quality - Preserves food
 - Reduces oxidative stress, promotes anti-aging, and improves skin health
 - Antioxidant, skin health, and anti-aging supplements
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Hyaluronidase

- Breaks down hyaluronic acid fillers
 - Enhances drug diffusion & effectiveness
 - Breaks down hyaluronic acid for tissue regeneration
 - Used as aesthetic and skin treatments to improve absorption of other products
 - Used in cosmetic procedures to enhance drug delivery and tissue repair.
-

Lysates

- Antioxidant & hydration properties for skincare.
 - Strengthens skin microbiome & barrier function.
-

Healthcare Supplements

NMN/NMNH/NAD/NADH/NR

- Fermentation based product
- Supports cognitive function, Heart, Health & Blood Sugar Management
- Protects mitochondrial & DNA health
- Helps in Uplift Mood & Promotes Restful Sleep

IVD (NAD/NADH/NADP/NADPH/S-NAD)

- Essential cofactors for biochemistry diagnostics (SGPT, SGOT, Ammonia tests)
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Collagen

- Available Sources (Fish Collagen, Chicken Collagen and Bovine Collagen)
- Collagen Types 1 & 3 – Hair, Skin, Nails, and Bones
- Collagen Type 2- Joint and Cartilage Support
- Odorless, Tasteless, and 100% Soluble in water.
- Used in food coatings
- Cosmetics, wound healing
- Improves skin hydration, elasticity



ACCREDITATIONS



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AFFILIATIONS AND COMPLIANTS




OUR CLIENT PRESENCE



ENZYMES • PROBIOTICS • BIOACTIVES
FORMULATIONS • ANIMAL HEALTHCARE

📍 **Meteoric Biopharmaceuticals Pvt. Ltd.** 
9th Floor, Earth Arise, Nr. YMCA Club, S.G Highway,
Makarba , Ahmedabad 380015, Gujarat, INDIA
📞 T : +91 79 3533 3470/71
✉ E : contact@meteoricbiopharma.com

📍 **Meteoric Biopharmaceuticals USA LLC** 
Suite B-2, Morris Plains Business Park,
60 East Hanover, Ave Morris Plains NJ 07950
📞 T: +1 732-762-8308
✉ E: contactUSA@meteoricbiopharma.com

📍 **Meteoric Biopharmaceuticals Vietnam** 
Room 102, 91 No. 5 Str, An Phu Ward, Thu Duc Dist,
HCMC, Vietnam.
📞 T: +84 933402434
✉ E: vietnam@meteoricbiopharma.com

🌐 meteoricbiopharma.com

🌐 www.linkedin.com/company/meteoricbiopharmaceuticals