Chemroy provides nutraceutical system solutions for applications in natural health products, sports nutrition, and tablet production. With our extensive offering of innovative, science-based ingredients, which are NHPD/Health Canada approved, as well as general ingredients, we offer raw materials across Canada, the US and globally. Our network of strategic global partnerships enables us to be the trusted systems solution provider of choice to many of the leading natural health products, sports nutrition and pharmaceutical companies in Canada, the US and throughout the world.

The expert knowledge provided, combined with our innovative and cost effective materials, all help you to nourish your reputation as a superior healthcare marketer and manufacturer. Chemroy is committed to your success and strives to bring the finest technical and functional ingredients to the market for the betterment of your business and the industry at large. Ask us what is growing in the nutraceutical market, from product selection to formulation to innovative delivery formats, and we will help you.

Jim Bornhold - VP Nutraceutical Sales
jbornhold@chemroy.ca
SCIENCE BASED INGREDIENTS

EYE HEALTH

FUJI HEALTH SCIENCE, INC.

• AstaREAL® - Most studied form of astaxanthin in the world with over 40 human clinical trials. The only astaxanthin in the world that has been awarded an NPN by NHPD/Health Canada. Health Canada has approved the following health claim for AstaREAL® ‘helps maintain eye health’.

WEIGHT MANAGEMENT

NUTRAGENESIS LLC.

• SensorilTrim® - Multi-patented, standardized ashwagandha extract helps shield the body against the negative effects of stress. Extracted using a patented, pure water-based process without the use of any chemical solvents it has received an NPN from NHPD/Health Canada with multiple health claims and has been proven to reduce Serum Cortisol levels by 24%. Unique with anolide bioactive compounds mimic the body’s own stress-reducing hormones and product helps control stress-induced appetite and overeating and helps reduce stress-related carbohydrate cravings.

SKIN HEALTH

FRUTAROM INDUSTRIES LTD.

• Collactive™ - Unique marine peptide in a fine creamy powder that is comprised of collagen and elastin oligopeptides in the same proportion as the dermis. The low molecular weight oligopeptides are soluble in aqueous phase and fully digestible. Elastin fibers give the skin elasticity that improves collagen fibers tensile strength. Has proven in a well-designed human clinical trial to reduce the number of deep wrinkles within 28 days in 71% of subjects, and has received an NPN from NHPD/Health Canada.

BLOOD PRESSURE MANAGEMENT

FRUTAROM INDUSTRIES LTD.

• Benolea® - Patented olive leaf extract that has received an NPN from NHPD/Health Canada to support the cardiovascular system and a healthy heart. Has standardized oleuropein and polyphenols content resulting in high purity, high solubility and proven stability according to ICH guidelines. Proven blood pressure reducing and lipid lowering effects in published human clinical trial with 232 subjects with Stage-1 hypertension.

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SCIENCE BASED INGREDIENTS

ENERGY

BIOENERGY LIFE SCIENCE, INC.

- Bioenergy D-Ribose® - Multi-patented five carbon sugar with zero caloric uptake and half the sweetness of sugar which boosts energy at the cellular level, increases energy reserves, builds ATP in muscles and heart while speeding up energy recovery. Bioenergy D-Ribose® also helps relieve muscle cramping, soreness and benefits the heart by helping to increase the tolerance to cardiac stress, improved exercise tolerance and physical function. Also helps improve physical strength and athletic performance. Promotes metabolic health by decreasing free radical formation during exercise and increasing cardiac efficiency by reducing stress during exercise. Has received NPN’s from NHPD/Health Canada.

NUTRAGENESIS LLC.

- Sensoril® - Multi-patented, standardized ashwagandha extract helps shield the body against the negative effects of stress. Has received an NPN from NHPD/Health Canada with multiple health claims and has been proven to reduce Serum Cortisol levels by 24%. When stress is reduced energy is typically increased. Unique withanolide bioactive compounds mimic the body’s own stress-reducing hormones and product features the highest levels of stress-fighting Ashwagandha bioactives in the industry, which are extracted using a patented, pure water-based process without the use of any chemical solvents.

DIGESTIVE HEALTH

DEERLAND ENZYMES INC.

- Enzymes Supplements - Several unique trademarked enzyme blends to help deal with gluten intolerance, dairy intolerance and other digestive conditions. Includes enzymes that increase the bioavailability of protein, thereby reducing muscle recovery time, as well as eliminating bloating and gas associated with protein intake.

- ProHydrolase® - Ideal for use by fitness enthusiasts and body builders alike, is supported by two well-designed, human clinical trials that demonstrate the product’s ability to increase amino acid levels in the blood, supporting muscle recovery, as well as decrease C-reactive protein levels, which is an indicator of inflammation in the body. In fact, amino acids in the blood are shown to increase by 20% with the consumption of a whey protein supplement accompanied by ProHydrolase, as compared to consumption of whey alone. ProHydrolase is also effective at digesting other proteins such as casein, soy, egg, pea and hemp. ProHydrolase also degrades 99% of the peptides responsible for gastrointestinal discomfort. ProHydrolase is licensed by NHPD/Health Canada.

VEGAN VITAMIN D3

GLOBAL HEALTH TRAX – A GHT COMPANY

- Vegan Vitamin D3 - the ONLY Vegan Vitamin D3 in the world! Composed of 100% cholecalciferol, and available in both powder and oil form. We are also able to provide you with Vegan Vitamin D3 in bulk gel caps, as well as finished droppers and sprayers. Our Vegan Vitamin D3 has already received multiple NPN’s from NHPD/Health Canada.
SCIENCE BASED INGREDIENTS

MUSCLE ENDURANCE

**BIOENERGY LIFE SCIENCE, INC.**
• **Bioenergy D-Ribose** – Multi-patented five carbon sugar with zero caloric uptake and half the sweetness of sugar which has received NPN’s from NHPD/Health Canada. Boosts energy at the cellular level, increases energy reserves, builds ATP in muscles and heart while speeding up energy recovery. Bioenergy D-Ribose also helps relieve muscle cramping, soreness and benefits the heart by helping to increase the tolerance to cardiac stress, improved exercise tolerance and physical function. Also helps improve physical strength and athletic performance. Promotes metabolic health by decreasing free radical formation during exercise and increasing cardiac efficiency by reducing stress during exercise.

**FUJI HEALTH SCIENCE, INC.**
• **AstaREAL** - Most studied form of astaxanthin in the world with over 40 human clinical trials and the only astaxanthin in the world that has been awarded an NPN by NHPD/Health Canada. Health Canada has approved the following health claim for AstaREAL “helps to improve physical endurance.”

BONE STRENGTH AND JOINT HEALTH

**BIOVA LLC**
• **BiovaFlex** - The fastest acting, 100% all natural, vegetarian joint ingredient that starts to relieve joint pain at 5 days. Has the unique health claim, “Helps to reduce blood C reactive protein levels, a clinical marker of inflammation”. Also the only 100% water soluble, natural eggshell membrane joint product available thereby offering alternative delivery formats and has the lowest daily dose – 450 mg – of any natural eggshell membrane joint product. Supported by multiple human clinical trials and has received several NPN’s from NHPD/Health Canada in both stand-alone and combination formulas.

**FRUTAROM INDUSTRIES LTD.**
• **NovaSOL** - A unique Curcumin that has the highest bioavailability of any Curcumin in the world, illustrated in a $1.5 million comparative, gold-standard, human clinical trial conducted by the German government.

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• **Our Products** • **Our Services** • **Our Suppliers**
**SCIENCE BASED INGREDIENTS**

**ALLERGY**

**NUTRAGENESIS LLC.**
- **AllerGuard Express™** - Fast acting tablet form of dietary supplement for seasonal sinus and respiratory symptoms. Clinically proven to address year round exposure to respiratory challenges and showing to have affect in as little as 15 minutes. Has been shown in a recently completed U.S.-based, randomized, double-blind, placebo-controlled crossover human clinical trial to be highly effective in supporting respiratory health after contact with a variety of everyday indoor and outdoor allergens. Regulatory approval is in process.

**BLOOD GLUCOSE MANAGEMENT**

**NUTRAGENESIS LLC.**
- **Orisett™** - Unique, naturally derived, patent-pending nutraceutical designed to help promote long-term blood sugar maintenance and short-term post-prandial responses via multiple mechanisms of action. Multiple human clinical trials have proven its ability to reduce post-meal blood glucose spikes, as well as overall delay in absorption of glucose from the digestive system. Can be formulated for a variety of applications, including capsules, tablets, nutrition bars, stick packs, drink mixes and gummies. Randomized, double-blind, placebo-controlled human clinical trials showed reduced average daily blood glucose levels based on the scientifically advanced, highly accurate glycosylated hemoglobin (HbA1c) test. Lower post-prandial blood glucose levels also occurred in subjects. Has been found to help increase glucose update and utilization rates in the body, which may have contributed to enhanced insulin sensitivity. Regulatory approval is in process.

**MENTAL COGNITION AND BRAIN HEALTH**

**NUTRAGENESIS LLC.**
- **Sensoril®** - Multi-patented, standardized ashwagandha extract helps shield the body against the negative effects of stress. Has received an NPN from NHPD/Health Canada with multiple health claims and has been proven to reduce Serum Cortisol levels by 24%. Unique withanolide bioactive compounds mimic the body’s own stress-reducing hormones and product features the highest levels of stress-fighting Ashwagandha bioactives in the industry, which are extracted using a patented, pure water-based process without the use of any chemical solvents.

**STRESS MANAGEMENT**

**NUTRAGENESIS LLC.**
- **Sensoril®** - Multi-patented, standardized ashwagandha extract helps shield the body against the negative effects of stress. Has received an NPN from NHPD/Health Canada with multiple health claims and has been proven to reduce Serum Cortisol levels by 24%. Unique withanolide bioactive compounds mimic the body’s own stress-reducing hormones and product features the highest levels of stress-fighting Ashwagandha bioactives in the industry, which are extracted using a patented, pure water-based process without the use of any chemical solvents.
GENERAL INGREDIENTS

FLAVOURS AND SWEETENERS

EDGAR A. WEBER AND CO.

- Vanilla Extracts - Artificial, Natural, Dry and Wet
- Masking Agents - Natural, Artificial, Oil Soluble, Dry & Wet
- Brown Flavours - Chocolate, Coffee, Nut, Caramel etc.
- Fruit Flavours - Artificial, Natural, Organic, Dry and Wet
- Custom Flavour Capabilities

NUTRAEX FOOD INC.

- Sugarlike™ Brand - Zero Calorie, Encapsulated Stevia
- 2x and 4x Sugar Encapsulated Stevia
- 2x and 4x Organic Brown Sugar Encapsulated Stevia
- Monkfruit

DUPONT NUTRITION AND HEALTH

- XIVIA™ C Xylitol - complies with USP/NF, FCC and European Pharmacopeia monographs for Xylitol. Naturally occurring with all the taste and sweetness but only 1/2 the calories of sugar. Protects teeth from cavities, has no after taste and enhances fruit/mint flavours.

PROTEINS

FARBEST FOODS. INC.

- Pea Protein – Quality, easy to flavour, bland with good mouth feel. Made from yellow peas, all sourced from North America. Reliable supply for pea protein and can develop unique programs to suit your needs.

NON-DAIRY CREAMERS AND POWDERS

SENSORY EFFECTS® - POWDER SYSTEMS

- Jerzee® and Richmix® - Non Dairy Creaming Agents
- Centennial® - Powdered Shortening and Fats
- Jerzee® and Richmix® - Whipped Topping/ Dessert Bases
- Clean Label, Non-GMO-IP and Organic Versions Available
- Custom Non-Dairy Creamer Formulation Capability

ANTIOXIDANTS

FUJI HEALTH SCIENCE, INC.

- AstaREAL® - Natural Astaxanthin Extract, Vegetable Sourced from Microalgae Haematococcus Pluvialis. Considered superior to many other antioxidants for the unique role it may play in protecting the cell membrane through its unique chemical structure and orientation within the living cell. Licensed by NHPD/Health Canada with an antioxidant health claim.
GENERAL INGREDIENTS

FLOW AGENTS

PPG INDUSTRIES
- Flogard™ Silica Line - FF, SP, AB
- HiSil, SAC-M, HOA
- T-152, T-700

VITAMINS AND MINERALS

FARBEST FOODS. INC.
- Vitamins A, B, C, D, E, & K
- Carotenoids
- USP grades available

TALUS MINERAL COMPANY
- Gluconates & Picolinates
- Mineral Chelates/Complexes

VYSE GELATIN
- Beef-Hide Gelatin Hydrolysate
- Pork-Skin Gelatin Hydrolysate

GELATIN
- Beef-Bone Gelatin Hydrolysate
- Fish Gelatin Hydrolysate

EXCIPIENTS

MEGGLE EXCIPIENTS & TECHNOLOGY
Monohydrate and Anhydrous Lactose
- Direct compression, granulation, co-processed, powder preparations and Dry Powder Inhaler Grades
- North American and European Produced Material

NISSO AMERICA INC.
HPC- Hydroxypropyl Cellulose
- Direct Compression Grades
- Very Low Viscosity Grades for Binders and Coatings
- High Viscosity Grades for Controlled Release Applications
- Excellent Addition for Hardness Improvement

HPC-SSL-SFP
- High compressible, giving superior tablet properties at low usage levels in dry binding applications
- Super low viscosity and super fine particle size, allowing fast disintegration and fast dissolution times that are not possible with regular HPC grades
- Provides HPC’s well-known advantages in improved tablet hardness and friability