

# ALCREA

HEALTH



CREATE. CUSTOM NUTRITIONAL SUPPLEMENTS

## CAPACITY & CAPABILITIES

### PITTSBURGH



One of the world's leading manufacturers of exceptional nutritional supplements for more than 50 years.

Location: Pittsburgh, PA

#### State-of-the-art manufacturing and packaging facilities

- \* More than 150,000 sq. ft.
- \* FDA audited facility

#### Certifications and accreditations

- \* NSF GMP registration
- \* ISO 9001 Certified Laboratories
- \* Health Canada
- \* Written Standard Operating Procedures (SOP) to comply with current Good Manufacturing Practices (cGMP) to ensure consistent quality
- \* ISO 17025 accreditation of in-house laboratories performing Chemical, Physical, Microbial, Heavy Metal, Pesticides and Solvent Residue testing
- \* Finished products are tested in accordance with USP/AOAC methods where applicable

- \* Certificate of Analysis available
- \* SQP (Supplier Qualification Program) ensuring supplier compliance
- \* Compliance with the Public Health Security and Bioterrorism Preparedness and Response Act of 2002

#### Capacity

- \* High-speed encapsulation - 593 million capsules per month
- \* Semi-automatic encapsulation - 80,000,000 capsules per month
- \* Tablet compression - 175,000,000 tablets per month
- \* Mixing - 650,000 kgs per month
- \* Bottling - seven high-speed packaging lines yielding millions of bottles per month

#### Galenic (dosage and delivery) forms

- \* Tablets
- \* Capsules
- \* Powders
- \* Softgels

#### Product details

- \* Two-piece hard shell capsules (plant, animal, or fish gelatin origin)
- \* Non-gelatin soft capsules
- \* Time-release capsules
- \* Tablets in various sizes and shapes
- \* Tablet imprinting
- \* Enteric-coated tablets and capsules
- \* Pharmaceutical glaze or aqueous coating
- \* Chewable tablets and lozenges

## CAPACITY & CAPABILITIES

### PITTSBURGH

#### Special innovations

##### Packaging Solutions:

- \* Convenience Packs™, featuring daily supplement system
- \* Full body sleeve
- \* Blister packs
- \* Blister packs with multiple daily dosing
- \* Pouches
- \* Boxes
- \* Stick packs
- \* Sachets
- \* Label design creation/assistance
- \* Package design/creation
- \* Tamper-proof induction shrink sealing
- \* Sensor tags

##### Formulation

- \* Formulation and manufacturing experts on hand to help formulate custom products
- \* Expert advice on absorption, bioavailability, content uniformity, regulatory concerns, and dosage requirements

#### Marketing Capabilities

- \* Logo design
- \* Package inserts
- \* Technical data sheets
- \* Brochures

#### Minimum orders or batch sizes

- \* Small batch sizes – flexible manufacturing for small to large runs

#### Production lead time

Approximately 8 weeks

## CAPACITY & CAPABILITIES

### PHILADELPHIA



One of North America's largest volume contract manufacturer of banded hard two-piece liquid filled capsules, founded in 1998.

Location: Philadelphia, PA

#### Industry-leading facilities, featuring:

- \* 45,000 sq. ft. facility
- \* Four manufacturing suites
- \* Two packaging lines
- \* FDA audited facility

#### Certifications and accreditations

- \* Health Canada
- \* Written Standard Operating Procedures (SOP) to comply with current Good Manufacturing Practices (cGMP) to ensure consistent quality
- \* ISO 17025 accreditation of in-house laboratories performing Chemical, Physical, Microbial, Heavy Metal, Pesticides and Solvent Residue testing
- \* Finished products are tested in accordance with USP/AOAC methods where applicable

- \* Certificate of Analysis available
- \* SQP (Supplier Qualification Program) ensuring supplier compliance
- \* Compliance with the Public Health Security and Bioterrorism Preparedness and Response Act of 2002

#### Capacity

- \* 1 billion capsules/year
- \* 90 million liquid capsules per month

#### Galenic (dosage and delivery) forms

##### Two piece liquid capsule composition

- \* Gelatin
- \* HPMC (Vegetable)
- \* Fish gelatin
- \* Semi-solid and hot-melt formulations
- \* Oils and oil-based suspensions

#### Product details

##### Capsule size/average fill weight

- \* Size 1: 375-425 mg
- \* Size 0: 525-575 mg
- \* Size 00: 775-825 mg

## CAPACITY & CAPABILITIES

### PHILADELPHIA

#### Special innovations

##### Beadlet/oil filling technology

- \* Floating pearl inside a liquid-filled transparent capsule
- \* 2-phase delivery system

##### Industry-leading two-piece liquid-filled Capliques™, featuring:

- \* Band sealing
- \* Tamper evident
- \* Odor mitigation
- \* Product branding

##### Bottling and cartoning

- \* Pressure sensitive labels
- \* Full body sleeves

##### Formulation

- \* Formulation and manufacturing experts on hand to help formulate custom products
- \* Expert advice on absorption, bioavailability, content uniformity, regulatory concerns, and dosage requirements

#### Minimum orders

##### Clear capsule with clear band

- \* 300,000 capsules

##### Clear capsule with colored band

- \* 300,000 capsules

##### Custom colored capsule

- \* 1,000,000

##### Printed capsule

- \* 1,000,000

#### Production lead time

Approximately 8 weeks

## CAPACITY & CAPABILITIES

### QUEBEC CITY



Industry-leading expertise in liquid manufacturing and complex formulation for over 15 years with international registration and product exports.

Location: Quebec City, Canada

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#### **State-of-the-art pharmaceutical-grade facility, featuring:**

- \* 26,000 sq. ft.
- \* Four manufacturing rooms
- \* Three bottling lines
- \* Differential air pressure - H/T controlled

#### **Features**

- \* Grinding and water-based extraction
- \* Industrial centrifuges
- \* Ultra filtration (membrane and ceramic)
- \* Micro filtration
- \* Large press filter capacity
- \* USP-grade Purified Water System
- \* Production area protected by HEPA filters
- \* Clean In Place systems-Sterilization capacity
- \* Hot and cold process glycol system

#### **Certifications and accreditations**

- \* Strict compliance with FDA and NHPD Good Manufacturing Practices (NHPD site license #300098)
- \* Full compliance with the Public Health Security and Bioterrorism Preparedness and Response Act (C-TPAT)
- \* Written Standard Operating Procedures (SOP) to comply with current Good Manufacturing Practices (cGMP) to ensure consistent quality
- \* Finished Products are tested in accordance with USP/AOAC Methods where applicable
- \* Organic certification by CARTV/Ecocert Canada and NOP
- \* SQP (Supplier Qualification Program) ensuring supplier compliance
- \* Certificate of Analysis available

#### **Capacity**

- \* 22,000,000 bottles (60 ml) annually
- \* Bottling rate of 5,000 bottles per hour
- \* Mixing - 100,000 kgs per month
- \* Multi-level batch size capabilities (from 50L to 5,000L)
- \* Multi-level conditioning capabilities (from 5 mL to totes)
- \* Micro filtration
- \* Oil filling capacity (nitrogen flushed, proprietary antioxidant blend)

## CAPACITY & CAPABILITIES

### QUEBEC CITY

#### **Galenic (dosage and delivery) forms**

- \* Liquids
- \* Emulsions
- \* Oil phase
- \* Suspension
- \* Plant extracts
- \* Frozen products

#### **Product details**

- \* Energy shots and drinks
- \* Specialty formulas
- \* Vitamin concentrates
- \* Frozen cartilage and protein extracts
- \* Peptides and growth factors extracts
- \* Active ingredients and chemical specialties

#### **Special innovations**

Unique herbal cold extraction process

Packaging solutions:

- \* Glass and plastic bottles
- \* Dropper, sprays, shots
- \* Full body sleeve
- \* Pressure sensitive labels
- \* Tamper-proof induction shrink sealing
- \* Packs

#### **Formulation**

- \* Formulation and manufacturing experts on hand to help formulate custom liquid products
- \* Flavor system development
- \* Expert advice on absorption, bioavailability, content uniformity, regulatory concerns, and dosage requirements

#### **Minimum orders**

- \* Small batch sizes – flexible manufacturing for small to large runs

#### **Production lead time**

Approximately 8 weeks