

# Antrim Cosmetic Solutions Inc.

55 Village Centre Pl., Suite 200, Mississauga, Ontario, L4Z 1V9



## Service Capabilities

### Chemist - Qualification and Servicing Experience

**Head Chemist:** Anjali Hardikar

- **Qualification –**
  - Masters in Cosmetic Science and Technology (3<sup>rd</sup> position in Master's Program in University)
- **Experience – Total 13 years in Cosmetic Formulation**
  - KIK Custom Products –worked for various large/small clients like J&J, P&G, Guthy-Renker etc.
  - ITC Limited – Indian conglomerate – worked on skin care products
  - Himalaya Health Care – Indian herbal healthcare company – worked on skin care products

**Other Chemists:** 1 intern with chemistry/cosmetic formulation background for preparing batches as per project frequency/requirements.

### Lab - Equipment/Capacity

Antrim Cosmetic Solutions Inc. (“Antrim”) has a fully functional lab in Mississauga with the following standard equipment:

Equipment Type	Manufacturer/Model Details	Key Features
Stirrer	Caframo/BDC 3030	Speed – 20 -3000 rpm; Volume – Max 60 L
Homogenizer	IKA/T 25 Ultra-Turrax	Speed – 3000-25,000 rpm; Volume – Max 2 L
Viscometer	Brookfield/Dial Viscometer LVT	
pH Meter	Thermo Orion 320	Measures pH between 0.00 to 14.00 pH
pH Meter	Milwaukee/MW102	Measures pH between -2.00 to 16.00 pH
Stability Ovens - 2	Quincy Lab/10-140 Incubator	+ 2 to 62 Degrees C Temperature Range
Fridge	Insignia	3.00 cu ft capacity
Weighting Scales -2	Generic	One measuring 0.01 gm to 3.00 kg and second measuring 0.001gm to 500 gm

The above equipment is adequate to formulate and test for stability all type of cosmetic formulations. The batch capacity (single batch) of the lab is 3.00 kg.

## Lab - Services Provided

Cosmetic Formulation	Stability Testing
<p>Formulate a cosmetic product as per client standards and expectations. This process includes:</p> <ul style="list-style-type: none"> <li>• Design formulation</li> <li>• Raw material procurement</li> <li>• Batching &amp; sending samples for client evaluation</li> <li>• Product Modification as per client requirement.</li> </ul>	<p>Accelerated stability testing for client products in glass bottles as per following protocol:</p> <ul style="list-style-type: none"> <li>• Products kept at 5C, 25C and 40C for 12 weeks and at 50C for 4 weeks and 3 Freeze/thaw cycles at -10C.</li> <li>• Testing points- 2 weeks, 4 weeks, 6 weeks, 8 weeks and 12 weeks.</li> <li>• Testing attributes- pH, Viscosity and Physical integrity (Color, Odor and appearance).</li> </ul>

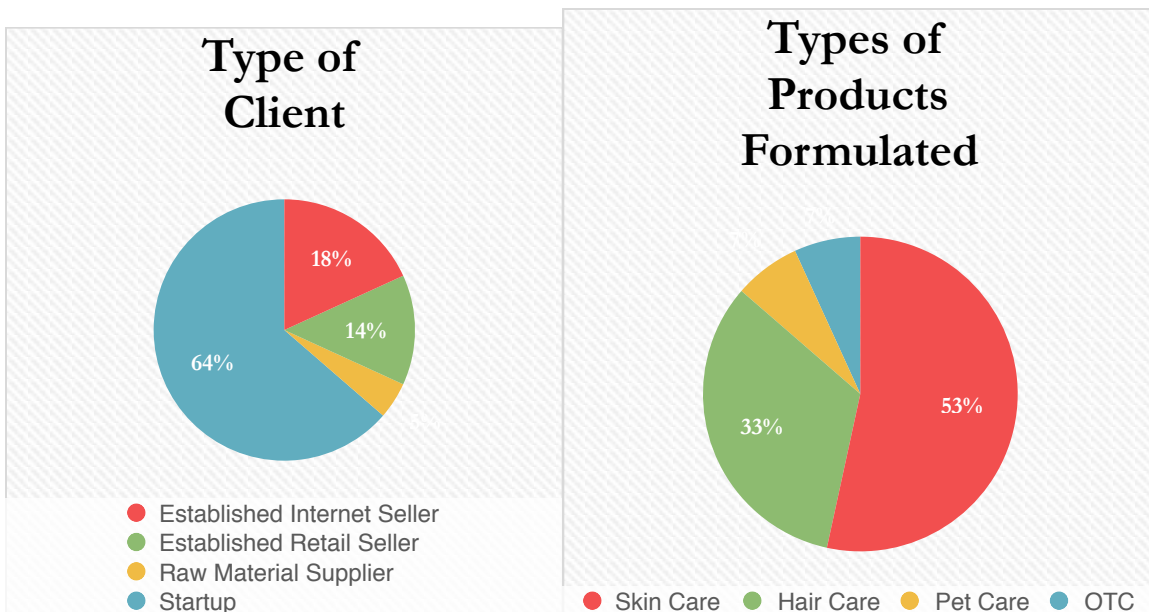
## Type of Products Formulation Capability

Skin Care	Hair Care	Pet Care	OTC
<ul style="list-style-type: none"> <li>• Creams</li> <li>• Lotions</li> <li>• Gels</li> <li>• Paste</li> <li>• Spray/Mists</li> <li>• Masks</li> </ul>	<ul style="list-style-type: none"> <li>• Shampoo (Sulfated/ Sulfate Free)</li> <li>• Conditioner (Leave-in and Rinse-off)</li> <li>• Hair Gel</li> <li>• Hair Mask</li> <li>• Non-aerosol spray</li> <li>• Hair Styling Products</li> <li>• Products for Ethnic Hair</li> </ul>	<ul style="list-style-type: none"> <li>• Shampoos, Conditioners and Creams for dogs and horses</li> <li>• Hair Mask</li> <li>• Sprays</li> </ul>	<ul style="list-style-type: none"> <li>• Anti-dandruff shampoo (1% zinc pyrithione)</li> <li>• Anti-acne products (benzoyl peroxide and salicylic acid)</li> <li>• Sunscreens (organic and mineral sunscreens)</li> </ul>

## Client and Projects Completed

Number of Clients: 44

Number of Projects: 88



## Examples – Key Projects Completed

Project Description	Key Ingredients Worked With
Light Summer Moisturizer - Smooth silky light weight moisturizer with SPF 30 - Zinc oxide as active sunscreen	<ul style="list-style-type: none"> <li>• Sepiplus 400 (<i>Polyacrylate-13 (and) Polyisobutene (and) Polysorbate 20</i>)</li> <li>• Zinclair XP (Zinc oxide)</li> <li>• Salsphere Light (<i>Encapsulated Arbutin</i>)</li> <li>• Dong Quai extract</li> <li>• Regu-Fade</li> <li>• Niacinamide</li> <li>• Azeclair (<i>Potassium azeloyl diglycinate</i>)</li> </ul>
Brightening Serum - Smooth silky light weight serum that helps to fade away the dark spots	<ul style="list-style-type: none"> <li>• Sepiplus 400 (<i>Polyacrylate-13 (and) Polyisobutene (and) Polysorbate 20</i>)</li> <li>• Gelaid 5565 (<i>Cyclomethicone (and) Dimethicone (and) Phenyltrimethicone</i>)</li> <li>• Salsphere Light (<i>Encapsulated Arbutin</i>)</li> <li>• Dong Quai extract</li> <li>• Regu-Fade</li> <li>• Niacinamide</li> <li>• Azeclair (<i>Potassium azeloyl diglycinate</i>)</li> </ul>
Curl & Cleanse Exfoliating Shampoo - Thick, concentrated coconut-oil infused scalp shampoo that detoxifies and exfoliates the scalp for healthy hair	<ul style="list-style-type: none"> <li>• Iselux SFS-SB- (<i>Sodium lauroyl methyl isethionate (and) Cocamidopropyl betaine (and) Sodium cocoyl isethionate (and) Sodium methyl oleyl taurate</i>)</li> <li>• Cocamidopropyl betaine</li> <li>• Charcoal</li> <li>• Arnica and calendula extracts</li> <li>• Coconut oil</li> <li>• Jojoba beads</li> <li>• Fruit acid complex</li> <li>• Merquat 550 (<i>Polyquaternium-7</i>)</li> <li>• Jaguar C-17 (<i>Guar hydroxypropyltrimonium chloride</i>)</li> </ul>
Dog Shampoo - Concentrated, super foaming, powerful yet gentle cleansing shampoo with Dead sea mud and minerals	<ul style="list-style-type: none"> <li>• Iselux Ultra Mild- (<i>Sodium lauroyl methyl isethionate (and) Cocamidopropyl betaine (and) Sodium methyl oleyl taurate (and) Lauryl glucoside (and) Coco glucoside</i>)</li> <li>• Tego betaine FKH5</li> <li>• Dead sea mud</li> <li>• Oatmeal and oat amino acids</li> <li>• Honey</li> <li>• Chamomile extract</li> </ul>
Scalp renewal treatment - Vegan, gluten free, ultra-light treatment for flaky, itchy scalp	<ul style="list-style-type: none"> <li>• Hydroxyethyl cellulose</li> <li>• Tea tree oil</li> <li>• Peppermint oil</li> <li>• Pentavitin (<i>Saccharide isomerate</i>)</li> <li>• Fruit acid complex</li> </ul>
Gentle anti-acne shampoo for tweens - Mild and pH balanced shampoo with 0.5% salicylic acid, formulated for young kids ages between 10-12 also known as tweens	<ul style="list-style-type: none"> <li>• Iselux Ultra Mild- (<i>Sodium lauroyl methyl isethionate (and) Cocamidopropyl betaine (and) Sodium methyl oleyl taurate (and) Lauryl glucoside (and) Coco glucoside</i>)</li> <li>• Tego betaine FKH5</li> <li>• Salicylic acid</li> <li>• Lamesoft PO 65 (<i>Coco glucoside (and) Glycerol oleate</i>)</li> <li>• Cetiol HE (<i>PEG-7 Glycerol cocoate</i>)</li> <li>• Licorice extract</li> <li>• Ajidew N 50 (<i>Sodium PCA</i>)</li> </ul>

## Trade Show/Conference Participation and Distributor Relationships

- Exhibited at HPCI – India (January 2018)
- Participated in BASF Formulation Consultant Event – New York (March 2018)
- Exhibited at NYSCC Suppliers’ Day – New York (May 2019)
- Participated in BASF/Pachem/Brenntag Symposium – Toronto (May 2019)

Antrim is supported by all Canadian raw material distributors and is in regular contact with distributors for all new product launches.