

GREEN By JAAPHARM DESIGN



WHAT AN EARTH-FRIENDLY PHARMACEUTICAL FACILITY ARE WE:



Jaapharm is one of Canada's fastest growing, 100% independent Canadian manufacturer of organic solid dosage tablets, capsules, solution, powder & freeze dried (lyophilized) products for private labels.

After 15 years of Research & Development the HFDC (High Force Direct Compression) technique (patent pending) was developed by Jaapharm dramatically reduces the requirement for binding & filling excipients in compression. The process is used to convert non-compressible actives to compressible actives for granulation to a required particle size.

From the simple to the most complex of manufacturing & Packaging requirements, Jaapharm can confidentially fulfill your custom needs. As of September, 2012 Jaapharm owns over 130 organic product licences (NPN#'s) issued by Health Canada. NPN # is a product license issued by Health Canada authorizing its sale in Canada. Our Site Licence # 300109, issued by Health Canada, covers research, manufacturing, packaging and labeling of Natural Health and OTC Products for sale in Canada.



JAAPHARM CANADA INC.

510 Rowntree Dairy Road, Building "J", Woodbridge,
Ontario, Canada L4L 8H2
Tel: 905-851-7885 Fax: 905-856-5838
Email: info@jaapharm.com Website www.jaapharm.com

A WORLD OF POSSIBILITIES.

Jaapharm mission is to provide brand owners with state of the art compression solutions to not only fight against counterfeiting and tampering but also to supply superior quality products.

We provide large pharma solutions on Contract manufacturing, Packaging for pharmaceutical, OTC, Nutraceutical and animal health market places.

Jaapharm has Health Canada registered facility offering state of the art pharmaceutical manufacturing & packaging over 50 environmental controlled packaging suits for customer projects.

6 Reasons Why:



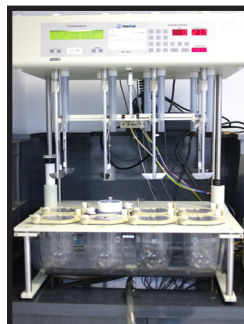
All Raw materials, Finished products are tested in house & released by QA before use.



*Packaging is done at Jaapharm cGMP** facility in Canada License 300109 issued by NHPD***.*



*Products are Mfg. at Jaapharm cGMP** facility in Canada License 300109 issued by NHPD***.*



Finished products are also tested for dissolution under USP Monograph in house.



Smallest tablets in Canada. Tablets can be embossed with your letters to make them unique, eliminating the packaged product Chemical ID Test.



All products are on stability, dissolution & microbial testing program.

**cGMP- Current Good Manufacturing Practices according to Health Canada

***NHPD - Natural Health Products Directorate (Health Canada)

JAAPHARM CANADA INC.

510 Rowntree Dairy Road, Building "J", Woodbridge, ON L4L 8H2
Tel: 905-851-7885 Fax: 905-856-5838
Email: info@jaapharm.com Website: www.jaapharm.com



IRON 45 MG TABLETS

NPN# 8000350

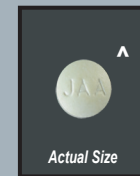
Let us be your
3rd Party
Researcher,
Manufacturer
& Packager

Enteric coated to prevent stomach irritation.

- Helps to form red blood cells and helps in their proper function.
- Helps to prevent iron deficiency (anemia).
- Helps pregnant women meet the recommended intake for iron.
- Halal & Kosher, no animal by-product nor gelatin, gluten, sweetener, colour, preservative or oil.



6 Reasons Why:



Smallest IRON 45mg coated tablet in Canada. Highest single dose allowed by Health Canada (NHPD).

^Your trademark will be embossed.



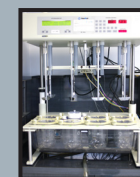
All Raw materials, Finished products are tested in house & released by QA before use.



Products are Mfg. at Jaapharm cGMP** facility in Canada License 300109 issued by NHPD***.



Packaging is done at Jaapharm cGMP** facility in Canada License 300109 issued by NHPD***.



Finished products are also tested for dissolution under USP Monograph in house.



All products are on stability, dissolution & microbial testing program.

Dissolution characteristics to bioavailability of a solid dosage will vary with factor of formulation or by manufacturing process. It can be use to identify bioequivalence problems and can serve as a signal of bioequivalence as well. Jaapharm dissolution systems are state of the art fully automated in Canadian pharma industry.

- 1 Vessels creating gastro-dissolution conditions measuring drug levels to the plasma from intestine bypassing the stomach (gastro track) resulting in no side effects.
- 2 Auto sampler with 8 designated tubes for each vessel collecting sample at assigned intermissions and delivering to Agilent UV-Visible Spectrophotometre.
- 3 Agilent UV-Visible Spectrophotometre analysing each sample instantly and send results to the PC system.
- 4 PC Systems linked to dissolution systems.
- 5 HPLC systems for method development.



JAAPHARM CANADA INC.
510 Rowntree Dairy Road, Building "J", Woodbridge, ON L4L 8H2
Tel: 905-851-7885 Fax: 905-856-5838
Email: info@jaapharm.com Website: www.jaapharm.com

**cGMP- Current Good Manufacturing Practices according to Health Canada
***NHPD - Natural Health Products Directorate (Health Canada)

Combining Compression

and Encapsulation to manufacture high dosage actives into smaller size capsules.



Jaapharm specializes in compression. Now we are taking this specialization into encapsulation. Neutraceutical (Natural health products) raw materials are very light (low bulk density), therefore difficult to encapsulate or compress.

After spending years in Research & Development the HFDC (High Force Direct Compression) technique (patent pending) developed by Jaapharm dramatically reduces the requirement for binding and filling excipients. This

process is used to convert non-compressible actives to compressible actives for granulation to a required particle size. Tablets encapsulation is well suited for high dosage active products. In the picture above, we have size '0' holding micro tablets weighing 1200 mg per capsule of size '0'. Same technique can be used for multiple products manufacturing in micro tablets and then encapsulated.



JAAPHARM CANADA INC.
510 Rowntree Dairy Road, Building "J",
Woodbridge, Ontario, Canada L4L 8H2
Tel: 905-851-7885 Fax: 905-856-5838
info@jaapharm.com



● Solid Dose Division ● Liquid & Topicals Division

www.jaapharm.com

CONTRACT MANUFACTURING QUALITY MINDED. CUSTOMER DRIVEN.

Tablets due to friction and shock most often cause them to chip, cap or break.

The friability test is closely related to tablet hardness and is designed to evaluate the ability of the tablet to withstand abrasion in packaging, handling and shipping. The loss should not exceed more than 1.0% USP Std.

All tablets manufactured by Jaapharm are tested for Friability before packaging and all of them confirm to USP Std. i.e. less than 1.0%.



OTHERS

JAAPHARM

- Competitor product was tested as shown in Picture ① having over 5.0% Friability result for a Chondroitin Glucosamine 900mg combination formulation.
- Jaapharm product CON-GLU-900 same formulation as shown in Picture ② has Friability result of 0.25%.



JAAPHARM CANADA INC.
510 Rowntree Dairy Road, Building "J",
Woodbridge, Ontario, Canada L4L 8H2
Tel: 905-851-7885 Fax: 905-856-5838
info@jaapharm.com



- Solid Dose Division
- Liquid & Topicals Division

www.jaapharm.com

Protect your brand.

At Jaapharm all tablets are embossed with your brand & all analytical methods for raw material & finish product are validated to ensure consistent quality for your brand.



Vitamin
D₃
Drops



Vitamin
D₃
Solution



Vitamin
D₃
Tablets

6 Reasons Why:



Smallest tablets in Canada. All tablets can be embossed with your Trademark.



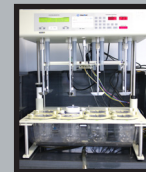
All Raw materials, Finished products are tested in house & released by QA before use.



Products are Mfg. at Jaapharm cGMP** facility in Canada License 300109 issued by NHPD***.



Packaging is done at Jaapharm cGMP** facility in Canada License 300109 issued by NHPD***.



Finished products are also tested for dissolution under USP Monograph in house.



All products are on stability, dissolution & microbial testing program.



JAAPHARM CANADA INC.

510 Rowntree Dairy Road, Building J, Woodbridge,
Ontario L4L 8H2 Canada.
Tel: 905-851-7885 Fax: 905-856-5838
Email: info@jaapharm.com Website: www.jaapharm.com

**cGMP- Current Good Manufacturing Practices according to Health Canada
***NHPD - Natural Health Products Directorate (Health Canada)