

Who we are?

The company IMS Srl has a consolidated experience in the field of micronisation of Active Pharmaceutical Ingredients (APIs) and excipients, with a vast customer portfolio.

Founded in 1973, the company headquarter is located in Milan (Italy) and is spread over a total area of 2500 m² of which 450 m² makes up the production area.

With a view to a steady increase in quality standards, the company is periodically inspected by the Italian Drug Agency (AIFA), the Food and Drug Administration (FDA) and by the Italian Ministry of Health for the veterinary products.

IMS is accredited in Japan to PMDA and approved by the Korean Food and Drug Administration (KFDA).

The company is also CERTIFIED ISO 9001:2015

Our offer

1. Feasibility Studies

Batch size: 10 gr – 50 gr

Apparatus: labmill

Timelines: about 2-3 days

2. Production / Scale -up

Batch size: 100 gr – 10 kg

Apparatus: jet mill Ø 100, 200mm (4, 8 inch)

Timelines: about 1 week

3. Full production

Batch size: 1Kg – 1000 kg

Apparatus: jet mill Ø 100, 200, 300 mm

Timelines: 1-2 weeks

4. Analytical services

Wet and dry analyses

Method validation according to EP and USP

The micronisation process

What is the micronisation?

Micronisation is a technique that allows reducing the size of active ingredient particles of an excipient.

How does the process take place?

First, the pharmaceutical micronization process is carried out by injecting the material into a grinding chamber at high pressure by operating with a gaseous fluid (compressed air/nitrogen).

Material particles dragged by the fluid at very high speed undergo changes in speed and direction due to the shape of the chamber bumping into each other, and as a result, their size is reduced to predefined values by the process operating conditions.

So why does it micronize?

To certainly meet the particle size requirements of the active and/or excise ingredients, necessary to meet the formulation parameters on the finished product.

No less important is bioavailability, one of the main pharmacokinetic properties of the pharmacology.

The micronisation guarantee a better bioavailability to the patient.



Equipment

To meet customer needs in the field of pharmaceutical micronisation, IMS has a wide availability of GMP-qualified equipment, ensuring maximum flexibility in quantity and/or activity.

We can offer our services even from a few grams up to 15 Kg in insulating "Glove Box".

Requests for R&D labs can be met thanks to a 1 or 2g test device.

Quality Control

In the CQ laboratory, where highly trained personnel work, it is possible to perform the analysis of dusts using both dry and wet laser diffraction scattering system.

The equipment supplied to the laboratory is qualified and regularly calibrated. The powders can also be examined using optical microscopy and the collected data processed through image analysis software.

The quality of the micronized is constantly monitored during the production process.

Quality Control establishes sampling plans and analytical methods to ensure that products are always compliant with customer specifications. All laboratory checks are performed and documented in real time; all deviations are documented and justified.

The analysis of particle size, conducted on each production batch by laser diffraction, is performed on the initial material, being processed and on the final product.

Counters of the starting product and micronized are stored for six years according to internal procedure.

Analytical methods are validated according to ICH2 and in accordance with customer requests.

Quality Assurance

Quality Assurance periodically conducts internal checks to check compliance with GMP and ISO, establishes the logic and philosophy of the quality system, defines the procedures that govern the Quality System.

All transactions are documented in a quality assurance plan that requires that:

- Validated processes, cleaning procedures and analytical methods;
- HVAC equipment, utilities and plant are qualified;
- All processes are fully documented.



QC instruments

Laser diffraction instruments:

Beckman Coulter LS13320
Malvern Mastersizer 2000
Malvern Mastersizer 3000
Sympatech Helos

Imaging analyser:

Malvern Morphologi G 35

Spectrophotometer:

FT-NIRThermo Fisher Antaris II

Thermal Analysis:

Mettler Toledo DSC-2

Work Strategy

Investing in sustainable optimization of new technologies

Contractual optimization for our customers in order to meet their needs

Maintaining total compliance with environmental regulations and people's health and safety

Our challenge

Optimization

Operational excellence and continuous improvement of production processes

Satisfaction

Competitiveness, quality and service assurance for our customers

Supply Chain

Selection for quality, innovation and service assurance on all our suppliers

Our policy

Customer satisfaction is our first topic.

In order to ensure a quality service with due confidentiality and responsibility; IMS enters into technical qualitative agreements (QTAs) and secrecy agreements with each of its clients.

Contacts

E-mail address info@imsmicron.it

Telephone number +39 02.390.021.28

Website www.imsmicron.it

LinkedIn URL <https://www.linkedin.com/company/ims-micronizzazioni/>

More about us

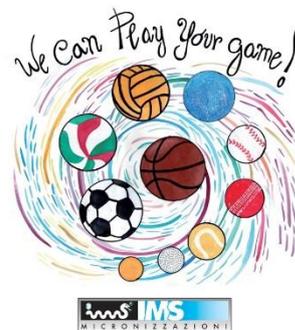
If you would like to know more about our company, you can visit the addresses listed in the contacts section, or write to us directly by e-mail.

Our staff is ready to answer to your requests to evaluate the possibility of new collaborations.

Our goal is to provide a quality service that can satisfy the customer for each request.

Sponsorship

IMS promotes the development of the local society through the sponsorship of a sports company.



Partnership

IMS collaborates closely with Universities and local association for a continuous update.

AFI

ASCHIMFARMA

CPA