



FORMULATION DEVELOPMENT and MANUFACTURING NON STERILE FINISHED DOSAGE FORMS

EXPERTISE

- All dosage forms: solid, semi-solid and liquid
- Complex drug product development
- Innovative technologies

POOR SOLUBILITY
CONTROLLED SUBSTANCES
opiates, cannabinoids...

ORPHAN DRUGS
PEDIATRIC FORMS

Co-micronization
Spray drying
Automatic capsule filling

Low-shear and high-shear nanomilling
Fluid bed and high shear granulation
(Mini-)tableting and bilayers tablets


Chemical &
biological entities

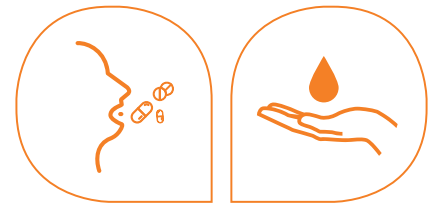

Highly potent &
cytotoxics
OEB 1 to OEB 5



SERVICES

Preformulation, formulation development

- Modified release dosage
- Multiparticle systems
- Self-Emulsifying Drug Delivery Systems (SEDDS, SMEDDS)
- Suspensions and nanosuspensions
- Orodispersible
- Powders and beads
- Solutions and microemulsions



Analytical support (R&D, QC)

Non GMP and GMP small batch manufacturing

Clinical trial supply (packaging and logistics)

Scale-up and facility transfers

Regulatory dossier writing (IMPD - IND - CTD)





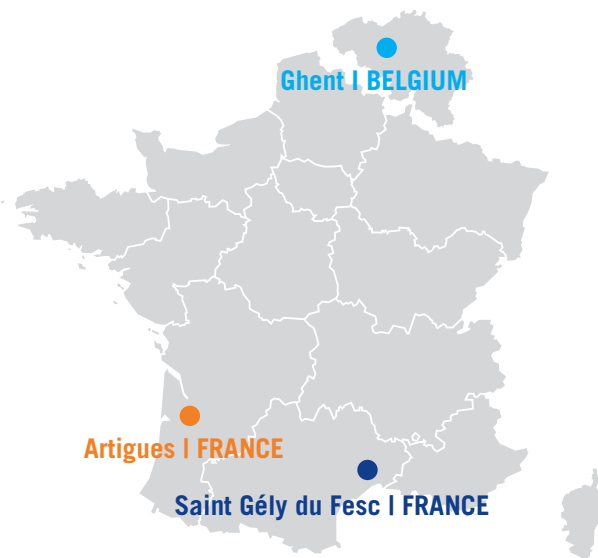
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CAPACITIES

TECHNOLOGY	BATCH SIZE
Solutions, suspensions, emulsions	5 mL up to 50 L (200 L if no heating)
Semi-solids	5 g up to 50 kg
Tablets	100 up to 200,000 units
Capsules	100 up to 200,000 units



FACILITIES



Formulation Development

- 4,200 m² / 45,000 ft² dedicated to development
- Cutting edge technologies
- Equipment duplicated in industrial manufacturing facility for improved technology transfer
- Multidisciplinary teams including pharmacists, chemists, bioengineers, industrial engineers, biochemists and highly skilled technicians

Non Sterile Manufacturing

- 2,200 m² / 24,000 ft² dedicated GMP batch manufacturing
- Dedicated suites for highly potent drugs
- State-of-the-art equipment for small and medium batch production
- Wide range of primary packaging: bottles, sachets, blisters, tablets containers...

Highly Potent Molecules

- 20+ years of experience in development and manufacturing of highly potent drug products including cytotoxics, hormones and other high-potency products
- From early development through to clinical and commercial supply

ANSM
ANSES
GMP
AFMPS
FAGG