Are you looking for an innovative 30-dose inhaler that is capable of delivering a wide range of drugs to the respiratory tract?

Aptar CSP Technologies and Simplified Solutions Sweden AB have a next generation solution.

Working with Aptar CSP Technologies, SSS was able to develop the XHaler™ device. Simple and efficient, the design was achieved by utilizing a patent pending technique that opens the protective seal covering the dose to be inhaled. This solution eliminates the need to puncture the protective seal. By removing this step, the risk of contaminating the API blend with foreign debris is eliminated.

Utilizing Aptar CSP Technologies’ patented, three-phase Activ-Polymer™ technology, the XHaler™ device offers unrivaled moisture protection coupled with excellent performance. Independently tested XHaler™ device data shows RSD < 6% with optimized fluticasone blend*. The XHaler™ device incorporates moisture protection, dose counting, and key safety features together with inspiring industrial design to create a world-class inhaler platform for your drug formulation.

Aptar CSP Technologies and SSS are undertaking an extensive stability program on a fluticasone blend to demonstrate the benefits of Activ-Polymer™ technology and the XHaler™ design. This data will be available for review in early 2019. Contact Aptar CSP Technologies or SSS for an update on the results.

* Data on file

Benefits

- Low component count allows for low costs during production
- Small, thin design makes the XHaler™ device user-friendly
- Emitted dose averages up to 95% with non-optimized blend
  - Excellent performance
- Fine Particle Fraction (FPF) up to 60% with non-optimized blend
  - Easily tunable to deliver NMEs and generics
- Excellent stability across ICH conditions
  - Unrivaled moisture protection
- Excellent dose reproducibility
- Integrated Moisture-Scavenging Protection for all dry powder formulations
  - Includes integrated moisture-scavenging technology from Aptar CSP Technologies, featuring Activ-Polymer™ desiccant delivering enhanced drug stability

* Data on file

Aptar CSP Technologies

csptechnologies.com  334.887.8300

Global Offices  Auburn, AL  •  Amsterdam, NY  •  Niederbronn-les-Bains, FR  •  Paris, FR  •  Osaka, JP  •  Hong Kong, CN

1. APTAR logo is a trademark of AptarGroup, Inc.
2. Activ-Polymer is a trademark of CSP Technologies, Inc, AL.
3. XHaler is a trademark of Simplified Solutions Sweden AB

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