

# PHARMACEUTICALS

- Benefits of dehumidification
- Same production climate all year round
- High, consistent quality all year round

## DST supplies a controlled climate

When producing pharmaceuticals, a very well controlled climate is required as such products are very susceptible to moisture. Seibu Giken DST AB has more than 20 years' experience of supplying climates to suit customers' requirements throughout all elements of pharmaceutical manufacture. DST representatives are able to use their experience and a broad range of products to efficiently resolve all the problems with humidity that can occur when manufacturing, packaging and storing pharmaceutical products.

## Moisture and hygroscopic materials

Substances for tablets are extremely absorbent, i.e. hygroscopic. Moisture can affect the weight, firmness and quality of products. When protecting ingredients that are susceptible to humidity, to avoid unnecessary discarding of products due to too high a relative humidity on the premises.

## Clean room manufacturing and laboratories

Controlled humidity on premises is a must if experiments are to be carried out in a controlled manner. If a relative humidity level of less than 50% is maintained, you can also guarantee that there will be no unwanted bacterial growth.

## Manufacture and coating of tablets

When hygroscopic ingredients are mixed and weighed it is important to maintain a controlled level of moisture in the room. When several substances are being mixed the products can vary in weight from one.



## Mixing and weighing

When mixing and weighing hygroscopic ingredients, it is important to maintain a controlled climate on the premises. When mixing several substances, products may vary in weight from day to day if the relative humidity is not constant.

## References

*Elly Lilly, DePuy (Johnson & Johnson), Blackpool, Upjohn / TPC, Crown House, White Cross, Glaxco, Sipharm AG, Roche, AstraZeneca, Gist Brocades, KABI-Pharmacia, GSK, Chantiers. AstraZeneca, Dunkerque, TMF Operating Porcheville, ATR Emballages, Sanofi, UPSA, F.E. Zuellig Co., Ltd., I.C.L. Co., Ltd. Proctor & Gamble, 21st Century Pharmaceutical, CIBA Vision, Dupont, Singapore Bio Polix China: Guangdong Zhongshan Shiqi Pharma, Hainan Sanyang Pharma, Gansu Dingxi Pharma, Chongqing Sida Laboratory tools ltd..*