Description, AN, Pharmaceutical App of Aw		Part # and Rev. 13431-00	
		Release Date:	
Rev.	Description	Revision By	Date

**Production Filename:** 13431 (In Product Library)

**Path to Working Files:** DecaDoc\Application Notes\Master

**Dimensions:** 8.5 inch wide, 11 inch tall

Material: Paper, 92 Bright White or better, 75g/m² or heavier

Colors: Color Print on White

**Printer:** HP Color LaserJet 8550-PS

Finish: None

Adhesive: None

**Special Notes:** Illustrations are Ref Only \*\* Not to Scale \*\* (Shown page 1 of 2)



pharmacutical solido (proteins, drugs, and excipients) is essuriba to obtain a solid donge from with optimal chemical, physical, nicrobial form with optimal chemical, physical, nicrobial terminant control of the interactic the chemical stability, microbial stability, flow properties, compaction, hardness of pharmaceuticals, proteins, hopharmaceuticals, proteins, and dissolution rate of dosage forms, pharmaceutical proteins, hopharmaceutical, the control of the control of the control has been long recognized by the food industry, that been long recognized by the food industry, has been long recognized

Water activity (a<sub>0</sub>), or equilibrium relative in planning (1984) in a measure of the free water in a pharmaceutical dosage from. It is defined under the planning of the plan

At equilibrium, the water activity of a material see equal to the relative humidity (left) of the atmosphere in which it is stored. Absorbidge of the atmosphere in which it is stored. Absorbidge of the atmosphere in which it is stored to the stored particular component is essential to prevent degradation, especially if one of the substance atmostratis (initially at different water content of the two materials will be different. If the activity of 0.025, although the final water content of the two materials will be different. If the materials are moved on higher or lower Ritt then the water will increase or decrease. All the stored is the store of the store of

The relicionship between water content as unter activity is complex. As increase in a, a lamost always accompanied by an increase it is a lamost always accompanied by an increase in the water content, but in a nonlinear fashion These curves are determined experimentally any disciplines use water content colculation or increase and the second content measurement can be inaccurate an inter-consuming, especially for plasmaneauticals For example, a particular compound has a water content of 100% and measuring water content of the content of 100% and measuring water content of 100% and measuring water content of 100% and measuring water content of the posterior of the content corresponded with a 0.0mg/s in water content co

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