



Certification of the USP Moisture Permeation Test

Prepared for:

Health Care Logistics
450 Town Street
Circleville, Ohio 43113-0025

Objective:

To quantify moisture permeation, according to the USP Standards for HCL# 7007 or the Condensed High Barrier (PVC) Amber Blister with a Laser label for Condensed Blisters of Health Care Logistics.

Summary:

Ten sample blisters were packaged with dried desiccant tablets and sealed using moderate force with a sealing roller on a foam tray with pre-formed compartments. Ten empty blisters served as the control. All blisters were placed in a temperature and humidity controlled environment; taken out to equalize to room temperature and weighed on an electronic balance per USP Testing Standard Method I from Section <671> Containers-Permeation. Testing was performed for a 30-day duration. The following formula for moisture permeation was used to calculate the mg gained per day:

$$\text{Moisture Permeation} = (1/N) [W_f - W_i] - (C_f - C_i)$$

Results:

For the 30 day testing program, this package configuration was effective in preventing moisture permeation and meets the parameters provided by the USP to warrant a "Class B" package classification.

Tested by:

DevelopMed Ltd.

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