

# DETERMINATION OF ZYN POUCH WEIGHT

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## Scope

The scope of this method is to quantitatively determine the average weight of five ZYN pouches. Each pouch is individually weighed on a (b) (4) balance or equivalent to determine the pouch weight.

## Applies to

(b) (4)

## General

### Principle of the method

Determination of the weight of individual ZYN pouches is accomplished by utilization of a (b) (4). Balances must be properly calibrated and verified. Data is transferred directly and electronically into (b) (4) upon completion of each individual replicate.

### Field of application, range, and uncertainty of the method

The field of application applies to tobacco derived nicotine products.

### Literature references

Balance information including the equipment manual can be located at:

(b) (4)

## Risk assessments and safety instructions

### Summarized Risk Assessments

Pouches should be handled with care and proper PPE (personal protective equipment) should be worn.

### Risk and safety phrases

No associated risk or safety phrases.

## Equipment

### Instruments and laboratory facilities

(b) (4)

The (b) (4) balance should be located on a stable, antimagnetic worktop and have level alignments.

The balance should be cleared of any residual material after weighing each sample. A brush or mild solvent and lint-free cloth may be used to clean the balance tray. The balance tray should be removed and the area under the balance tray cleaned as necessary.

### **Reference material and check sample**

No check sample is required.

## **Handling of samples**

### **Storage of sample**

The samples can be stored in the original packaging. If the packaging is opened in any way, the sample along with the original packaging should be placed within a zip seal bag for storage purposes. Samples, if stored under refrigeration, should be allowed to warm to room temperature prior to weight measurement.

### **Preparation of sample and amount needed**

One pouch is needed for each replicate. (Five total pouches per sample).  
Each analytical sample is weighed directly on the balance.

## **Analysis**

### **Calibration and instrument verification**

The balance used in the procedure must be verified for proper calibration prior to recorded measurements.

### **Procedure for analysis**

Ensure the balance is level, clean, and connected to the power supply. Ensure the balance display is set to grams and clear of any materials. Press the tare button. Place one pouch onto the balance. (b) (4) Repeat the procedure with the additional pouches for a total of five replicates.

### **Special Instructions**

Use pouches that are free of excess granulate. (b) (4)  
. Use the sample duplicate can for analysis.

## Results from Measurements

### Collection and storage of results

Results and other pertinent information are transferred into (b) (4) electronically to the specific (b) (4)

### Calculations

(b) (4) calculates the average pouch weight from the collected data.

### Reporting of analysis results

(b) (4)

## Revision History

(b) (4)

## Responsible for Method Approval

Manager of Owensboro Analytical Science

## Paper Copies

Paper Copies of this document can be found in these locations:

Location	Number	Responsible for Update
(b) (4)		