

Test Report

Report No:PT R1708001E

Date: 06/09/2017

Applicant : Cashido Corporation
Address : No. 8, Kexi 1 st Rd., Zhunan Science Park, Zhunan Township, Miaoli County
Test Item : Pesticide Removing Efficacy Test of 10 Second Machine 100 mg/hr
Test Method : Organic bok choy is used for rinsing test. Test sample is soaked in pesticide diluent, and then rinsed under 10 Second Machine 100 mg/hr with scrubbing for 10 seconds. Test sample is then send to Pesticide Residue Analysis Center, NCHU, for pesticide residue analysis. The test method of pesticide residue refers to the Method of Test for Pesticide Residues in Foods-Method for Multiresidue analysis(5), MOHW No. 1031900615, 2014/07/03.

Test Result :

Bok choy: Non-rinsed

Tested Items	Test Result	Unit	Remarks
Azoxystrobin	5.13	PPM	--
Chlorantraniliprole	1.81	PPM	--
Pymetrozine	3.90	PPM	--
Thiamethoxam	3.49	PPM	--
λ -Cyhalothrin	5.89	PPM	--

Bok Choy: Rinsed under 10 Second Machine 100mg/hr for 10 seconds

Tested Items	Test Result	Unit	Remarks: Pesticide removing efficacy
Azoxystrobin	1.30	PPM	74.7%
Chlorantraniliprole	0.33	PPM	81.8%
Pymetrozine	0.94	PPM	75.9%
Thiamethoxam	1.24	PPM	64.5%
λ -Cyhalothrin	1.22	PPM	79.3%

Authorized Signature: : Shang Shu Yang

The testing operations for sample analysis are carried out by Agriculture Technology Research Institute. The tested product is offered by the customer. The analysis result is in the light of the tested samples in the laboratories.

The test of pesticide residue is entrusted to National Chung Hsing University-Pesticide Residue Analysis Center.

The analysis report should not be used in advertisements.

The analysis report is only used for providing the results of the matter entrusted to the customer, is **NOT** for validating the legality of the product.



I. Vegetable, Pesticide Soaking Solution and Soaking Method

Vegetable for use: Organic Bok Choy (available in the market)

Pesticide for use: 1. 23% of Azoxystrobin (SC) 2. 30% of Chlorantraniliprole and Thiamethoxam (SC) 3. 50% of Pymetrozine (WG) 4. 5% of λ -Cyhalothrin (WG)

Preparation of pesticide soaking solution:

Add 5.5 mL of Azoxystrobin, 4.15mL Chlorantraniliprole & Thiamethoxam, 2.5g of Pymetrozine, and 25g of λ -Cyhalothrin into 25L of tap water.

Pesticide soaking procedures:

Split the leaf and remove the stem. Soak 2.5kg of Bok Choy leaf with the pesticide mixture and stir slowly for 1 minute, and pick them up to dry for 30 minutes. Later, divide them into two parts. One part is carried out under the rinsing procedures appointed by the customer. The other part is stirred evenly by a homogenizer, and sent for pesticide residue analysis.



According to the preparation method described above, 25L of pesticide mixture is prepared in the sink.



Apply 2.5 kg of Bok Choy leaf into 25L of pesticide soaking solution.



Stir slowly for 1 min, after that, pick them up to dry.

II. Rinsing Procedures

Machine for Use: 10 Second Machine 100mg/hr

Rinsing Method: Install the 10 Second Machine based on the customer's request. Control the tap water flow at 8L/min, and run the water for 10 seconds to ensure the machine and ozone are working steadily. Rinse each side of the Bok Choy leaf for 10 seconds, back and forth for 5 seconds respectively, and scrub gently by hands. Dry them all for 30 mins after rinsing. Use the homogenizer to blend the bok choy and send the sample to Pesticide Residue Analysis Center, NCHU, for pesticide residue analysis.



Rinse each side of the Bok Choy leaf for 10 seconds.



Use the homogenizer to blend the bok choy.

III. Test Result

Tested Items	Pesticide residue before rinsing (PPM)	Pesticide residue after rinsing (PPM)	Pesticide removing efficacy
Azoxystrobin	5.13	1.30	74.7%
Chlorantraniliprole	1.81	0.33	81.8%
Pymetrozine	3.90	0.94	75.9%
Thiamethoxam	3.49	1.24	64.5%
λ -Cyhalothrin	5.89	1.22	79.3%