

Report N o . XRSY20181025001

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**\* Test report \***

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Jorge Mundo Davalos

## Experimental content

Date of experiment

Test place

Accompany the customer

### Crushing experiment of pepper

October 24, 2018

Suzhou Xi ran company laboratory

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Unmanned

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Pilot responsible person

Date of making report

Report maker

Technology class Zhang Huadong

October 25, 2018

Technology lesson Lin Li Yue

Approbate	Validator	Person in charge
	井 留权	Lin Liyue



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1. experimental purposes

Using ultramicro stone mill (test machine) to crush the food chilli supplied by your company. It is possible to crush to the maximum particle size below 30 microns.

2. Test material

Material name: capsicum and shape: irregular long strip

Size: 80mm × 10mm × 3mm

3. testing machine

Ultramicro disc mill tester (model: XR-SPM25)

4. test method

The grinding interval of the ultramicro disc mill was adjusted to:

1) 80  $\mu$ m,

2) 50  $\mu$ m,

3) 30  $\mu$ m,

Three experiments were conducted.

5. test results

5.1) test machine photos





5.2) experimental process picture



Comminuted cavity



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## Crushing test record sheet

Date of production: October 26, 2018

Food name: Chili Peppers

Producer: Lin Liyue

	Lab number No.		1	2	3
Test material	Mean diameter before crushing	mm	—	—	—
	Maximum input size	mm	80mm × 10mm × 3mm	80mm × 10mm × 3mm	80mm × 10mm × 3mm
	shape		Rectangle	Rectangle	Rectangle
Comminuted products	Average particle size after crushing	μm	80	50	30
Test conditions	Machine model		XR-SPM25	XR-SPM25	XR-SPM25
	Screw feed type		MG-075	MG-075	MG-075
	Disc spacing	μm	80	50	30
	Equipment speed	r/min	1000rpm	1200rpm	1200rpm
Processing quantity	Input	Kg	2	3	5
	time	S	约 50 S	约 1 分 35 S	约 2 分 15 S
	Handling capacity (calculation)	kg/hr			
Other	Passing times		1 look back	1 look back	1 look back
Remarks	Feeding mode: artificial		Feeding mode: artificial	Feeding mode: artificial	Feeding mode: artificial