

No: /BC-KNGQG-KNG

Ha Noi, day month year

### REPORT ON TECHNICAL EXAMINATION

1. Botanical name of taxon: *Momordica charantia* L.

2. Variety denomination:

3. Other name:

4. Applicant (name):

5. Reference number of PVPO:

6. Period of testing

Year:

Date of sowing:

7. Reporting authority:

- National Center For Plant Testing

Address: No 6 Nguyen Cong Tru Street, Hai Ba Trung District, Hà Nội

Tel: 024.3971 3521. Fax: 024.3971 3521. E-mail: khaonghiem@gmail.com

- Testing place: Van Lam Station

DUS tester: Nguyen Quoc Phuong, Nguyen Van Hoan

Tel: 0321.398 0088. E-mail: kknvanlam@gmail.com

8. Enclosed documents:

- List of grouping varieties

- Variety description: candidate variety and (01) similar variety ( )

- Photos: No

- Other: No

9. Conditions and procedure for testing

a) Testing condition (net house/open field)

**Open field**

b) Soil condition (irrigation, fertility, last crops...)

Active irrigation, moderate fertility

Last crops: **Paddy rice**

c) Fertilizer

- Quantity (kg/ha): Organic fertilizer 10 tons + (260kg (NH<sub>2</sub>)<sub>2</sub>CO: 626kg Ca(H<sub>2</sub>PO<sub>4</sub>)<sub>2</sub>: 150kg KCl)

- Method:

Pre sowing: Total organic fertilizer phosphorus + 40% of (NH<sub>2</sub>)<sub>2</sub>CO + 30% of potassium

After sowing 1: 50% of (NH<sub>2</sub>)<sub>2</sub>CO + 40% of potassium

After sowing 2: 10% of (NH<sub>2</sub>)<sub>2</sub>CO + 30% of potassium

d) Size of plot and total plants per plot :

- Size of plot: 7.7m x 2.0m (15.4 m<sup>2</sup>)

- Total plants per plot : 500

e) Pest control:

- Seedling: thrips and blast (use Chess 50 WG, Filia 525 SE)

- End of branching stage: Rice leaf folder, Rhizoctonia solani Kuhn, Piricularia oryzae Cav, Xanthomonas Oryzicola, Nilaparvata lugens Stal (use Vitako 50WG, Filia 525 SE, Amistar top 325 SC, APPLAUD-BAS 27BTN, Totan 50WP)

- Inflorescence emergence stage: Scirpophaga incertulas Walker, Xanthomonas Oryzicola, Rhizoctonia solani Kuhn (use Vitako 50WG, Totan 50WP, Tilt Super 300 EC)

- Milk and dough development stage: Nilaparvata lugens Stal (use Chess 50 WG, Tilt Super 300 EC)

10. The weather during testing:

2014 (spring season): Weather conditions was a little bit unfavorable for all varieties to grow and develop. Seedling stage, low temperature. Branching stage, much rain, daylight intensity was low. At the and of dough development stage, the weather was favorable.

2015 (spring season): The weather was good for all varieties to grow and develop.

11. Similar varieties: VT5814, VDR06

12. Examination on distinctness, uniformity and stability:

a) Distinctness:

Difference between candidate and similar varieties:

### Compare to VT5814

Characteristics(s) in which the candidate variety differs from the similar variety(ies)	Year	State of expression of the characteristic(s) for the candidate variety	State of expression of the characteristic(s) for the similar variety(ies)	LSD <sub>0.05</sub>
8				
12				

**b) Uniformity**

The number of offtype (candidate variety) were: 18/1000 (20 ), 22/1000 (20 ) while the standard number of offtype are 27/1000. So the variety **TEJ VANG** is uniform.

**c) Stability**

The variety **TEJ VANG** is stable.

DUS tester	
Supervisor 1	
Supervisor 2	

**Recipient:**

- Applicant;
- Director;
- Archived: VT, KNG, KNTL.

**Director**

**LIST OF VARIETIES WHICH ARE IN THE SAME GROUP WITH **TEJ VANG****

<b>No</b>	<b>Denominations of varieties</b>	<b>Applicant</b>	<b>Note</b>
1	VT5814	Viet Trang Import Export Joint Stock Company	Similar Var.
2	VDR06	Syngenta Vietnam Company Limited	Similar Var.
3	Sut 89	Seed Works Company, India	Similar Var.
4	HR182	Southern Seed Seed Joint Stock Company	Similar Var.
5	LY2068	Ludan Seed Vietnam Company Limited	Similar Var.
6	Maro	Pioneer hi-breb Vietnam Company Limited	Similar Var.
7	Thuc hung 12	Thuc Hung Seed Company Limited	Similar Var.
8	Bio 404	Biseed Vietnam Company	Similar Var.
9	Thanh uu 12	Thanh Hoa Research Center for Application of agricultural science and technology	Similar Var.
10	Syn ND93	Syngenta Vietnam Company Limited	Similar Var.
11	B-TE1	Bayer Vietnam Company Limited	Similar Var.

Botanical name of taxon *Oryza sativa* L. Applicant  
 Variety denomination  
 Reference number of Reporting Authority Address  
 Testing season  
 Year  
 Testing place

Characteristics		States of expression	Note
1	Cotyledon: intensity of green color		
2	Stem: length of internode of main stem (between 15th and 20th node)		
3	Stem: thickness of main stem (as for 2)		
4	Stem: number of side shoots		
5	Leaf blade: size		
6	Leaf blade: intensity of green color		
7. (*)	Leaf blade: ratio length/width lobe		
8. (*)	Leaf blade: number of lobes		
9	Leaf blade: depth of lobing		
10	Petiole: length		
11	Plant: number of nodes up to node with 1st female flower		
12	Ovary: length		
13	Stigma : intensity of green color		
14. (*)	Fruit : length		
15. (*)	Fruit: diameter		
16. (*)	Fruit: shape in longitudinal section		
17. (*)	Fruit: color of skin		
18. (*)	Fruit: shape of base		
19. (*)	Fruit: shape of apex		
20	Fruit: number of warts		
21. (*)	Wart: size		
22. (*)	Wart: shape of top		
23	Wart: presence of spines		
24. (*)	Fruit: length of ridge		
25. (*)	Fruit: color of skin at ripe stage		
26	Fruit: bitterness		
27	Fruit: intensity of bitterness		
28	Seed: size		
29	Seed: intensity of brown color of testa		
30	Seed: indentation of edge		
31	Time of physiological maturity		

