

# Report of investigation



Phalaenopsis Floricultura: 8090-02  
Test number: 214  
Grower: Floricultura  
Administration number: 065889  
Variety: Phalaenopsis 194614  
Product code: 23050

Description: Phalaenopsis

Start date: 31-10-2017

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## **Method of investigation**

We submitted the investigated flowers to a sales simulation, according to the conditions mentioned in the appendix. In the consumer phase we evaluated the stems three times a week. The evaluation criteria are based on the evaluation card for the specific product ([www.vbn.nl](http://www.vbn.nl)). When the ornamental value is insufficient we consider vase life as ended. With these data the average vase life has been calculated. The average vase life expresses the number of days that the flowers have good ornamental value for the consumer. So transport and store phase are excluded.

## **Results**

Number of stems/vase: 0  
Number of vases: 3  
Land of origin: Netherlands

Average longevity 112,0  
Total number of rejected stems on foliage 0  
Standard deviation 0,0  
Main rejection criteria end of flowering  
Ornamental value foliage 4,4  
number of good Flowers 20,0  
number of rejected buds 4,0  
number of stems 2,0  
number of buds 7,5  
number of flowers that have ended flowering 0,0

Rejection criteria	Number
end of flowering	3

Planten worden afgeschreven bij x aantal bloemen en knoppen:

plant 1: 25  
plant 2: 29  
plant 3: 17

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The quality management system of the Postharvest Knowledge Centre is ISO 9001:2015 certified.



214. Consumer simulation day number 0



214. Consumer simulation day number 35



214. Consumer simulation day number 112



214. Consumer simulation day number 112



214. Consumer simulation day number 112



## Appendix

### Conditions Transport simulation

Duration (days)	7
Packaging	tray, sleeve
Temperature	15°C ± 1°C
Relative humidity	75 ± 10%
Light level	± 0 µmol s-1m-2
Light colour	n.a
Air refreshment	every 2 hours
Air speed	< 0,5 m/s
Ethylene concentration	< 0,1 ppm
Water supply	none

### Conditions Store simulation

Duration (days)	6
Packaging	tray, sleeve
Temperature	20°C ± 1°C
Relative humidity	60 ± 10%
Light level	± 13,5 µmol s-1m-2
Light colour	840
Air refreshment	every 2 hours
Air speed	< 0,5 m/s
Ethylene concentration	< 0,1 ppm
Water supply	if necessary

### Conditions Consumer simulation

Duration (days)	112
Packaging	-
Temperature	20°C ± 1°C
Relative humidity	60 ± 10%
Light level	± 13,5 µmol s-1m-2
Light colour	840
Air refreshment	every 2 hours
Air speed	< 0,5 m/s
Ethylene concentration	< 0,1 ppm
Water supply	if needed

Note: 13,5 µmol.m-2s-1 is the same as 1000 lux (on table level)

### Key to symbols

Kind of observation: Ornamental value foliage

5	excellent, product without defects, 0% affected
4	good, product with minor quality criticism 0-5% affected
3	satisfactory, product is still suitable for sale, 5-15% affected
2	moderate, product is not suitable for sale, 15-25% affected
1	poor, product which a consumer will discard, >25% affected