

# Report of investigation



Phalaenopsis Floricultura: 8090-02  
Test number: 524  
Grower: Floricultura  
Administration number: 065889  
Variety: Phalaenopsis 332209  
Product code: 112897

Description: 8090 Phalaenopsis veredelaars, bij 50% uitbloeit

Start date: 20-07-2022

## **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 98,0  
Total number of rejected stems on foliage 0  
Standard deviation 0,0  
Percentage reached at day 56 100 %  
Main rejection criteria end of flowering  
Ornamental value foliage 5,0  
number of good Flowers 14,3  
number of rejected buds 1,7  
number of stems 2,0  
number of buds 1,9  
number of flowers that have ended flowering 0,0  
Black heart 0,0

| Rejection criteria | Number |
|--------------------|--------|
| end of flowering   | 3      |

Plants are rejected at X number of good flower and buds:

plant 1:10  
plant 2: 9  
plant 3: 11

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



524. Consumer simulation day number 0



524. Consumer simulation day number 35



524. Consumer simulation day number 70



524. Consumer simulation day number 77



524. Consumer simulation day number 84



524. Consumer simulation day number 91



524. Consumer simulation day number 98

## 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)        | 98                 |
| 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       |