

Report of investigation



Phalaenopsis Floricultura: 8090-02
Test number: 591
Grower: Floricultura
Administration number: 065889
Variety: Phalaenopsis 314355
Product code: 112897

Description: 8090 Phalaenopsis veredelaars, bij 50% uitbloei

Start date: 10-01-2023

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). 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 | 119.0 |
| Total number of rejected stems on foliage | 0 |
| Standard deviation | 0.0 |
| Percentage reached at day 56 | 100 % |
| Main rejection criteria | end of flowering |
| number of rejected buds | 1.3 |
| number of buds | 0.0 |
| number of stems | 2.0 |
| Root decay | 1.0 |
| Ornamental value foliage | 4.0 |
| number of good Flowers | 20.0 |
| number of flowers that have ended flowering | 0.0 |

| Rejection criteria | Number |
|--------------------|--------|
| end of flowering | 1 |

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

plant 1: 20

plant 2: 18

plant 3: 17

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



591. Consumer simulation day number 0



591. Consumer simulation day number 35



591. Consumer simulation day number 70



591. Consumer simulation day number 77



591. Consumer simulation day number 84



591. Consumer simulation day number 91



591. Consumer simulation day number 98



591. Consumer simulation day number 105



591. 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 lux |
| 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 | ± 1000 lux |
| 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 | ± 1000 lux |
| Light colour | 840 |
| Air refreshment | every 2 hours |
| Air speed | < 0,5 m/s |
| Ethylene concentration | < 0,1 ppm |
| Water supply | if needed |

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 |