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

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:

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 Linda van Leeuwen

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Date: 28-07-2022



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



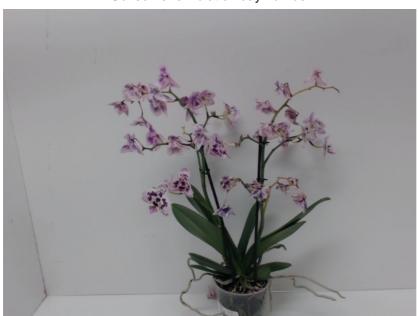
214. Consumer simulation day number 0



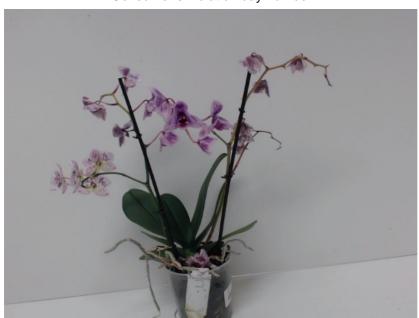
214. Consumer simulation day number 35



214. Consumer simulation day number 112



214. Consumer simulation day number 112



214. Consumer simulation day number 112

project number 214

Appendix

Conditions Transport simulation

Duration (days) 7

Packaging tray, sleeve
Temperature $15^{\circ}\text{C} \pm 1^{\circ}\text{C}$ Relative humidity $75 \pm 10\%$

Light level $\pm 0 \mu mol s-1m-2$

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 $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$ Relative humidity $60 \pm 10\%$

Light level \pm 13,5 μ mol 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 $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$ Relative humidity $60 \pm 10\%$

Light level \pm 13,5 μ mol 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

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