Report of investigation



Phalaenopsis Floricultura: 8090-02

Test number: 488 Grower: Floricultura

Administration number: 065889 Variety: Phalaenopsis 314951

Product code: 112897

Description: 8090 Phalaenopsis veredelaars, bij 50% uitbloei

Start date: 30-08-2021

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	105,0
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	4,0
number of good Flowers	13,2
number of stems	2,0
number of buds	6,0
number of flowers that have ended flowering	g 1,0
Black heart	0.0

Rejection criteria	Number
end of flowering	1

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

plant 1: 11 plant 2: 10 plant 3: 10 Linda van Leeuwen

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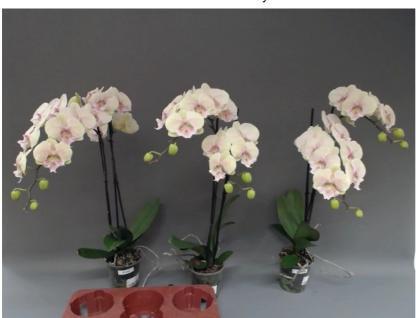
Date: 27-07-2022



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



488. Consumer simulation day number 0



488. Consumer simulation day number 35



488. Consumer simulation day number 70



488. Consumer simulation day number 77



488. Consumer simulation day number 84

project number 488



488. Consumer simulation day number 91



488. Consumer simulation day number 98



488. Consumer simulation day number 105

project number 488

Appendix

Conditions Transport simulation

Duration (days)

Packaging tray, sleeve 15°C ± 1°C Temperature Relative humidity $75 \pm 10\%$

Light level \pm 0 μ mol s-1m-2

Light colour n.a

Air refreshment every 2 hours Air speed < 0.5 m/sEthylene concentration < 0.1 ppmWater supply none

Conditions Store simulation

Duration (days)

tray, sleeve 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/sEthylene concentration < 0,1 ppm Water supply if necessary

Conditions Consumer simulation

Duration (days) 105 Packaging

Temperature $20^{\circ}C \pm 1^{\circ}C$ 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/sEthylene 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 critism 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