Report of investigation

Phalaenopsis Floricultura: 8090-02
Test number: 434
Grower: Floricultura
Administration number: 065889
Variety: Phalaenopsis 314974
Product code: 112897

Description: 8090 Phalaenopsis veredelaars, bij 50% uitbloei

Start date: 03-06-2021

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:	0
Number of vases:	3
Land of origin:	Netherlands

Average longevity	152,0
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	18,9
number of rejected buds	0,0
number of stems	2,0
number of buds	4,6
number of flowers that have ended flowering	0,0
Black heart	0,0

Rejection criteria	Number
end of flowering	1

Plants are rejected at X number of good flower and buds::
plant 1:16
plant 2: 11
plant 3: 12

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

434. Consumer simulation day number 0

434. Consumer simulation day number 35

434. Consumer simulation day number 70

434. Consumer simulation day number 77

434. Consumer simulation day number 84

project number 434

434. Consumer simulation day number 91

434. Consumer simulation day number 96

434. Consumer simulation day number 103

project number 434

434. Consumer simulation day number 110

434. Consumer simulation day number 117

434. Consumer simulation day number 124

project number 434

434. Consumer simulation day number 131

434. Consumer simulation day number 138

434. Consumer simulation day number 145

project number 434

434. Consumer simulation day number 152

Appendix

Conditions Transport simulation

Duration (days)	7
Packaging	tray, sleeve
Temperature	15ºC ± 1ºC
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	20ºC ± 1ºC
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)	152
Packaging	-
Temperature	20ºC ± 1ºC
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 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