



Matthiola StoX® Report Investigation

Summary of Royal Floraholland test results

Matthiola StoX® series	Start date	Transport simulation	Store simulation	Consumer simulation / vase life	Complete longevity
StoX® Deep Rose	3-6-2022	4 days	2 days	17,2 days	23,2 days
StoX® Antique Rose	3-6-2022	4 days	2 days	15,1 days	21,1 days
StoX® Champagne	3-6-2022	4 days	2 days	13,1 days	19,1 days
StoX® Rose Pink	3-6-2022	4 days	2 days	16 days	22 days
StoX® Silver	3-6-2022	4 days	2 days	14,8 days	20,8 days
StoX® Yellow	3-6-2022	4 days	2 days	15,4 days	21,4 days
StoX® White	3-6-2022	4 days	2 days	16,5 days	22,5 days

Royal FloraHolland submitted the investigated flowers to a sales simulation, according to the conditions mentioned below.

Conditions Transport simulation

Duration (days) 4
 Packaging container, sleeve
 Treatment 1 Chysal CVBn 1,00 pil/2,2l
 Temperature 8°C ± 1°C
 Relative humidity 75 ± 10%
 Light level ± 0 µmol s-1m-2
 Light colour dark
 Air refreshment every 2 hours
 Air speed < 0,5 m/s
 Ethylene concentration < 0,1 ppm

Conditions Store simulation

Duration (days) 2
 Packaging container
 Treatment 1 water 2,00 l
 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) 21
 Packaging -
 Treatment 1 Chysal Clear Universal 10,00 gr/l
 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