



TORENIA
(Torenia)

Proposed denomination: 'Sunrenipink'
Trade name: Summer Wave Amethyst '09
Application number: 08-6180
Application date: 2008/02/21
Applicant: Suntory Flowers Limited, Tokyo, Japan
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Tetsuya Kako, Suntory Flowers Limited, Shiga, Japan
Kiyoshi Miyazaki, Suntory Flowers Limited, Shiga, Japan
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Takeshi Kanaya, Suntory Flowers Limited, Shiga, Japan
Kenichi Suzuki, Suntory Flowers Limited, Osaka, Japan

Variety used for comparison: 'Sunrenicoame' (Summer Wave Amethyst Ice)

Summary: 'Sunrenipink' has a taller plant height and a slightly more erect growth habit than 'Sunrenicoame'. 'Sunrenipink' has a shorter petiole than 'Sunrenicoame'. 'Sunrenipink' has a lighter violet corolla colour than 'Sunrenicoame'. 'Sunrenipink' has a longer corolla tube than 'Sunrenicoame'. The inner side of the corolla tube is violet for 'Sunrenipink' while it is light blue violet for 'Sunrenicoame'. The veins on the inner side of the corolla tube are medium in conspicuousness for 'Sunrenipink' while they are strong in conspicuousness for 'Sunrenicoame'.

Description:

PLANT: semi-erect growth habit

STEM: absent or very sparse pubescence, medium green, weak anthocyanin colouration

LEAF BLADE: ovate, narrow acute apex, truncate base, margin incisions dentate and shallow to medium in depth, upper side medium green with sparse pubescence, no anthocyanin colouration

FLOWER: trumpet shaped

CALYX: no anthocyanin colouration, small wings, undulation present on wings

COROLLA: weak undulation of margin

UPPER COROLLA LOBE: inner side violet (RHS N81B) with light blue violet (RHS 76A) secondary colour when newly opened, violet (RHS N80B) with lighter violet (RHS N80D) secondary colour when fully opened, secondary colour at transition to corolla tube

LATERAL COROLLA LOBES: inner side violet (RHS N80A) when newly opened, violet (RHS N81C) when fully opened, violet (RHS N80D) secondary colour at transition to corolla tube

LOWER PETAL: inner side violet (RHS N80A) along marginal area when newly opened, violet (RHS N81C) when fully opened, violet (RHS N80D) secondary colour at palate and transition to corolla tube, no stripe present

COROLLA TUBE: violet (RHS N80C) on inner side, medium conspicuousness of veins on inner side, outer side violet (RHS N80A-B)

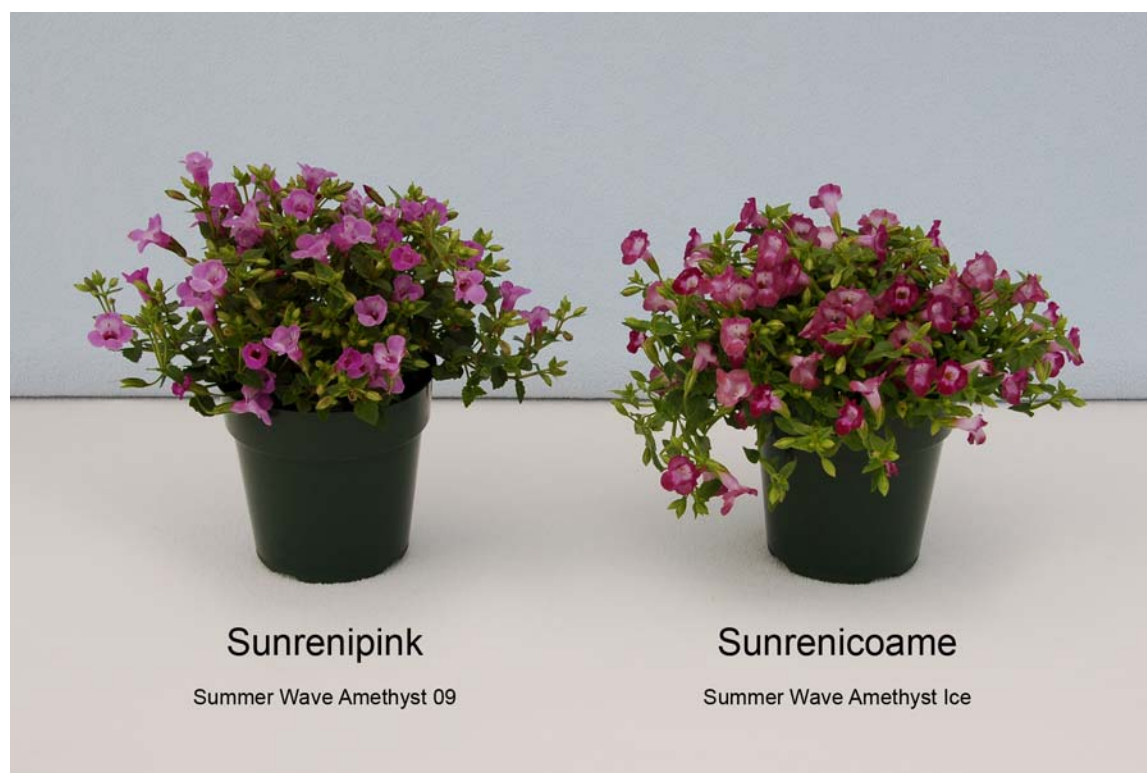
Origin and Breeding: 'Sunrenipink' originated from the heavy ion irradiation of in-vitro meristems of a proprietary torenia selection designated TH1. The irradiation was completed in 2005 at the Institute of Physical and Chemical Research in Japan. All shoots developed from the irradiated meristems were grown in pots in the glasshouse. In March 2006, one plant was selected based on petal colour and growth habit. The selected plant was propagated by cuttings and grown in pot trials from April to October 2007 at Higashiomi-shi, Shiga, Japan.

Tests and Trials: Trials for 'Sunrenipink' were conducted in a polyhouse during the spring of 2009 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of fifteen plants per variety. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 7, 2009. Observations and measurements were taken from ten plants or parts of plants on July 30, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

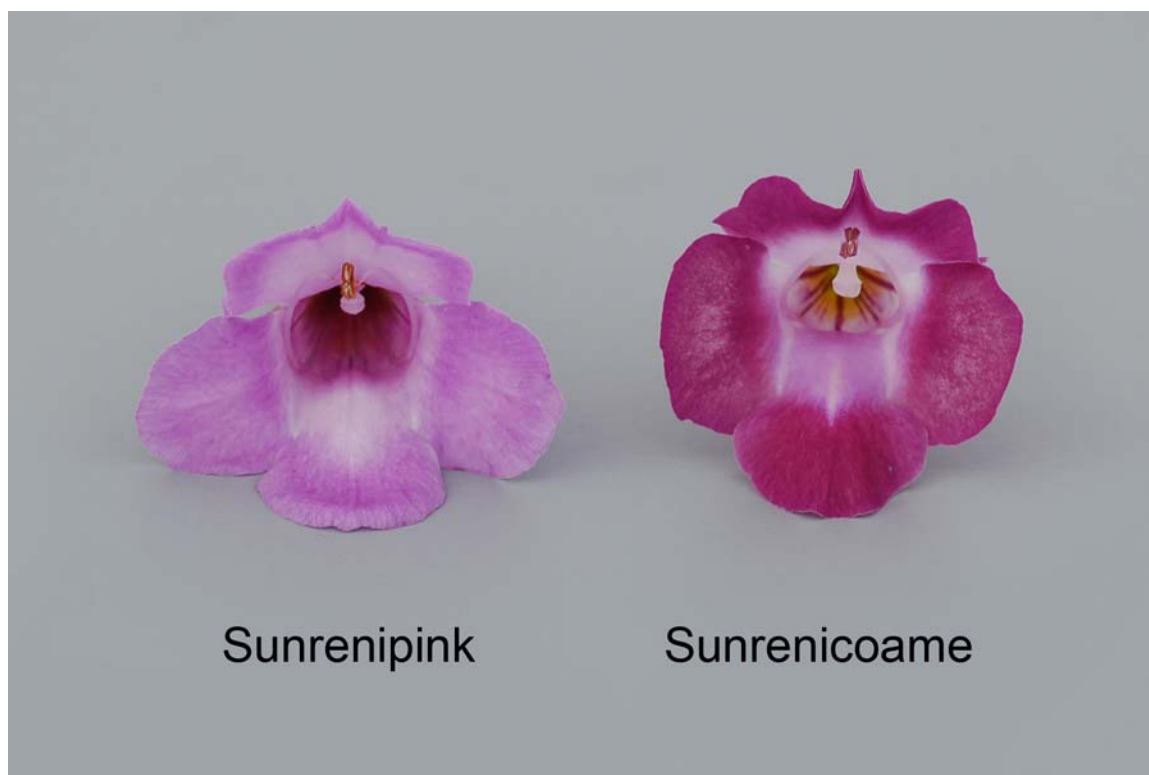
Comparison table for 'Sunrenipink'

	'Sunrenipink'	'Sunrenicoame**
<i>Plant height (cm)</i>		
mean	19.5	15.1
std. deviation	1.25	1.15
<i>Petiole length (mm)</i>		
mean	2.2	5.8
std. deviation	1.03	0.79
<i>Colour of inner side of newly opened corolla (RHS)</i>		
upper lobe - main	N81B	N79C (darker than)
upper lobe - secondary	76A	69D
<i>Colour of inner side of fully opened corolla (RHS)</i>		
upper lobe - main	N80B	77A
upper lobe - secondary	N80D	69D
lateral lobe - main	N81C	N79D
lateral lobe - secondary	N80D	69D
lower lobe - main	N81C	N79C
lower lobe - secondary	N80D	76B
<i>Corolla tube length (cm)</i>		
mean	2.6	2.2
std. deviation	0.05	0.11
<i>Colour of corolla tube (RHS)</i>		
inner side	N80C	76A-B

*reference variety



Torenia: 'Sunrenipink' (left) with reference variety 'Sunrenicoame' (right)



Torenia: 'Sunrenipink' (left) with reference variety 'Sunrenicoame' (right)



Torenia: 'Sunrenipink' (left) with reference variety 'Sunrenicoame' (right)