



## APPLICATIONS UNDER EXAMINATION

## TORENIA

### TORENIA (*Torenia*)

**Proposed denomination:** 'Sunrenikonho'  
**Trade name:** Summer Wave White  
**Application number:** 09-6576  
**Application date:** 2009/03/25  
**Applicant:** Suntory Flowers Limited, Tokyo, Japan  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Kiyoshi Miyazaki, Suntory Flowers Limited, Shiga, Japan  
Tetsuya Kako, Suntory Flowers Limited, Shiga, Japan

**Varieties used for comparison:** 'White Moon' and 'DANCAT5153' (Catalina White Linen)

**Summary:** *The plants of 'Sunrenikonho' are shorter than those of 'DANCAT5153'. The shoots of 'Sunrenikonho' are longer than those of both reference varieties. The leaf blades of 'Sunrenikonho' have medium depth margin incisions while those of both reference varieties have shallow margin incisions. The calyx of 'Sunrenikonho' are longer than those of 'White Moon'. The lower corolla lobes of 'Sunrenikonho' have a lighter yellow central spot at the transition to the corolla tube than both reference varieties. The yellow central spot on the lower corolla lobe of 'Sunrenikonho' is small to medium while that on 'White Moon' is large. The corolla tubes of 'Sunrenikonho' are yellow orange on the inner side while those of both reference varieties are yellow.*

#### **Description:**

PLANT: trailing growth habit

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

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

FLOWER: trumpet shape

CALYX: no anthocyanin colouration, medium sized wings, undulation of wings present

COROLLA: medium undulation of margin

UPPER COROLLA LOBE: white (RHS NN155C) on inner and outer sides of dorsal surface

LATERAL COROLLA LOBE: white (RHS NN155C) on inner side

LOWER COROLLA LOBE: white (RHS NN155C) with a light yellow (RHS 9C) small to medium sized central spot at transition to corolla tube on inner side

COROLLA TUBE: yellow orange (RHS 13B) at base on inner side, very weak conspicuousness of veins on inner side, white (RHS NN155B) on outer side of dorsal surface

**Origin and Breeding:** 'Sunrenikonho' originated from a controlled pollination of the proprietary *Torenia* variety 'TP-1' with the *Torenia* variety 'TFOEx-W' in an isolated area in July 2006. Seeds from the pollination were germinated and grown to maturity. One plant was selected by the breeder on March 2007, in a controlled environment at Higashiomi, Shiga, Japan. The selected plant was propagated by cuttings and grown in pots. The new variety of *Torenia* was found to be distinguishable from any other varieties and was named 'Sunrenikonho'.

**Tests and Trials:** Trials for 'Sunrenikonho' were conducted in a polyhouse during the spring of 2010, in St. Thomas, Ontario. The trial included a total of 15 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings transplanted into 12 cm pots on May 18, 2010. Observations and measurements were taken from 10 plants of each variety on June 17, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

## Comparison table for 'Sunrenikonho'

	'Sunrenikonho'	'White Moon'*	'DANCAT5153'*
<i>Plant height (cm)</i>			
mean	6.9	8.9	13.3
std. deviation	2.20	1.56	2.17
<i>Shoot length (cm)</i>			
mean	23.9	17.8	19.1
std. deviation	2.18	2.32	2.92
<i>Calyx length (cm)</i>			
mean	2.0	1.6	1.9
std. deviation	0.08	0.09	0.12
<i>Secondary colour of lower corolla lobe (RHS)</i>			
inner side	9C	9A	6C
<i>Colour of corolla tube (RHS)</i>			
inner side	13B at base	12A at base	12A at base

\*reference varieties



Torenia: 'Sunrenikonho' (left) with reference varieties 'White Moon' (center) and 'Dancat5153' (right)



Torenia: 'Sunrenikonho' (left) with reference varieties 'White Moon' (center) and 'Dancat5153' (right)



Torenia: 'Sunrenikonho' (left) with reference varieties 'White Moon' (center) and 'Dancat5153' (right)

**Proposed denomination:** 'Sunrenikonpe'  
**Trade name:** Summer Wave Pale Lilac  
**Application number:** 09-6577  
**Application date:** 2009/03/25  
**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

**Variety used for comparison:** ‘Sunrenirafuji’ (Summer Wave Large Silver)

**Summary:** *The leaf blades of ‘Sunrenikonpe’ are longer than those of ‘Sunrenirafuji’. The calyx of ‘Sunrenikonpe’ have medium sized wings with undulation present while the calyx of ‘Sunrenirafuji’ have small wings with no undulation. The lower petals of ‘Sunrenikonpe’ have a large yellow central spot at the transition to the corolla tube while those of ‘Sunrenirafuji’ have a small light yellow central spot. The corolla tubes of ‘Sunrenikonpe’ are shorter than those of ‘Sunrenirafuji’. The corolla tube of ‘Sunrenikonpe’ is light blue violet on the outer side of the dorsal surface while that of ‘Sunrenirafuji’ is violet.*

**Description:**

PLANT: trailing growth habit

STEM: medium pubescence density, light to medium green, absent or very weak anthocyanin colouration

LEAF BLADE: broad ovate, narrow acute to broad acute apex, truncate to cordate base, dentate margin, medium depth margin incisions, medium green on upper side, sparse pubescence on upper side, no anthocyanin colouration

FLOWER: trumpet shape

CALYX: no anthocyanin colouration, medium sized wings, undulation of wings present

COROLLA: medium undulation of margin

UPPER COROLLA LOBE: light blue violet (RHS 92D) on inner and outer sides

LATERAL COROLLA LOBE: light blue violet (RHS 92B-D) on inner side

LOWER COROLLA LOBE: light blue violet (RHS 92C-D) with large yellow (RHS 7C-D) central spot at transition to corolla tube on inner side

COROLLA TUBE: yellow orange (RHS 11A) with light blue violet (RHS 85C-D) in upper tube on inner side, brown (RHS 176C) and violet (RHS N81C) veins in upper tube on inner side, medium conspicuousness of veins on inner side, light blue violet (RHS 85C) on outer side of dorsal surface

**Origin and Breeding:** ‘Sunrenikonpe’ originated from a controlled pollination of the proprietary Torenia variety ‘TP-1’ with the Torenia variety ‘TFOEx-W’ in an isolated area in June 2006. Seeds from the pollination were germinated and grown to maturity. One plant was selected by the breeder on March 2007, in a controlled environment at Higashiomi, Shiga, Japan. The selected plant was propagated by cuttings and grown in pots. The new variety of Torenia was found to be distinguishable from any other varieties and was named ‘Sunrenikonpe’.

**Tests and Trials:** Trials for ‘Sunrenikonpe’ were conducted in a polyhouse during the spring of 2010, in St. Thomas, Ontario. The trial included a total of 15 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings transplanted into 12 cm pots on May 18, 2010. Observations and measurements were taken from 10 plants of each variety on June 17, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

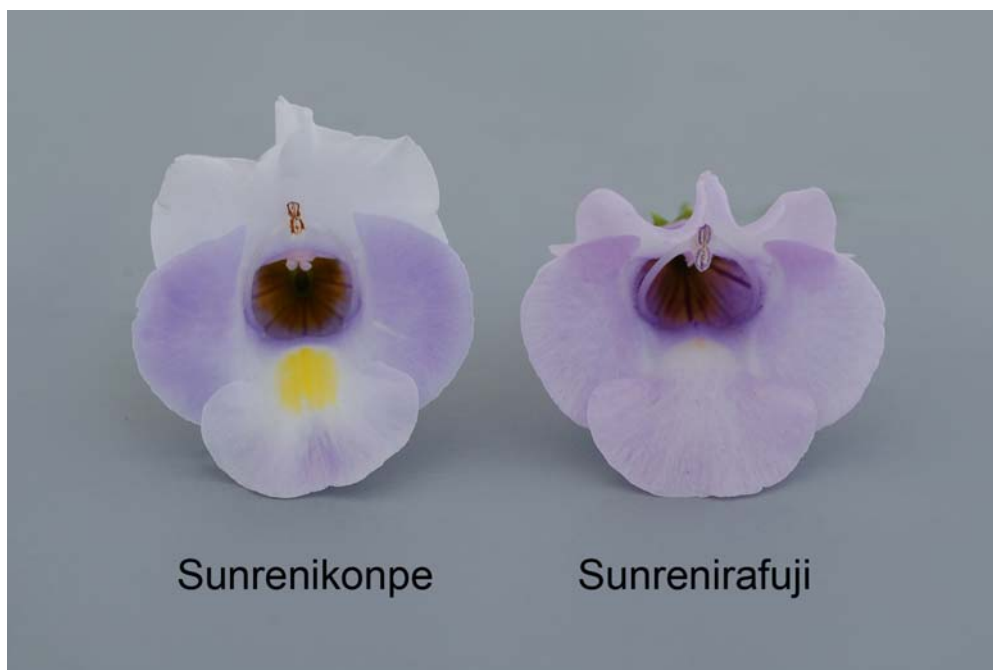
**Comparison table for ‘Sunrenikonpe’**

	‘Sunrenikonpe’	‘Sunrenirafuji’*
<i>Leaf blade length (mm)</i>		
mean	34.3	27.9
std. deviation	2.45	2.23
<i>Secondary colour of lower petal (RHS)</i>		
inner side	7C-D central spot at transition to corolla tube	4D central spot at transition to corolla tube
<i>Corolla tube length (cm)</i>		
mean	2.5	3.0
std. deviation	0.11	0.14
<i>Colour of corolla tube (RHS)</i>		
outer side of dorsal surface	85C	N82B-D

\*reference variety



Torenia: 'Sunrenikonpe' (left) with reference variety 'Sunrenirafuji' (right)



Torenia: 'Sunrenikonpe' (left) with reference variety 'Sunrenirafuji' (right)



Torenia: 'Sunrenikonpe' (left) with reference variety 'Sunrenirafuji' (right)

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