



APPLICATIONS UNDER EXAMINATION

NEMESIA

NEMESIA (*Nemesia*)

Proposed denomination: 'Balarlilabi'
Trade name: Aromatica Violet Ice
Application number: 08-6208
Application date: 2008/02/28
Applicant: Ball Horticultural Company, West Chicago, Illinois, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Paul Talmadge, Orcutt, California, United States of America

Variety used for comparison: 'Fleuripi' (Opal Innocence)

Summary: *'Balarlilabi' has taller plants than 'Fleuripi'. 'Balarlilabi' has fewer indentations along the leaf margin and flowers with a weaker fragrance than 'Fleuripi'. The inner side of the upper lobes of the corolla of 'Balarlilabi' are light blue violet fading to lighter blue violet to white with age whereas those of 'Fleuripi' are violet fading to light blue violet. 'Balarlilabi' has a dark violet blotch at the base of the upper lobes whereas the blotch of 'Fleuripi' is light violet and less conspicuous. The colour of the palate of 'Balarlilabi' is brownish with yellow undercolour whereas it is medium yellow for 'Fleuripi'.*

Description:

PLANT: upright growth habit, moderate density
STEM (EXCLUDING INFLORESCENCE): thin

LEAF BLADE: few shallow indentations of the margin, no variegation, medium green on upper side, no petiole

INFLORESCENCE: moderate density, weak flower fragrance

COROLLA: weak colour change with age

UPPER LOBES OF COROLLA: inner side is light blue violet upon opening and fades to lighter blue violet to white with age, outer side is light blue violet, medium length purple veins, weakly conspicuous veins, basal blotch is medium sized, moderately conspicuous and dark violet

UPPER LOBES OF COROLLA (CENTRAL LOBES): not touching

UPPER LOBES OF COROLLA (LATERAL LOBES): equal to moderately longer in length relative to length of lower lobe, moderately outward attitude when viewed from the front, slightly behind central lobes when viewed from the side, rounded apex

LOWER LOBE OF COROLLA: strongly incurved, moderate curvature in cross-section, weak undulation, very weak indentation of margin, white with light blue violet tones on inner side, light blue violet on outer side

PALATE: small to medium size relative to size of lower lobe of corolla, brownish with yellow undercolour, no hairs

SPUR: short

Origin and Breeding: 'Balarlilabi' originated from a cross pollination conducted in September 2003 in Guadalupe, California, U.S.A. as part of a controlled breeding program. The female parent was the proprietary breeding selection designated 'KJGVCCE-N', characterized by its white and lavender flowers, medium green foliage and upright plant growth habit. The male parent was another proprietary breeding selection designated 'HHSDPOA-N', characterized by its white and lavender flowers, medium green foliage and upright plant growth habit. 'Balarlilabi' was initially selected in March 2004 based on its vigorous growth resulting in taller and wider plants.

Tests and Trials: Trials for 'Balarlilabi' were conducted in a polyhouse during the spring of 2009 at BioFlora Inc. in St. Thomas, Ontario. It included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on April 7, 2009. Measured characteristics were based on measurements taken from 10 plants or parts of plants on May 11, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Balarlilabi'

	'Balarlilabi'	'Fleuripi'*
<i>Plant height (cm)</i>		
mean	21.5	16.6
std. deviation	1.81	1.60
<i>Colour of corolla (RHS)</i>		
upper lobes, inner side - newly open	84C with 76C margin	75B
upper lobes, inner side - fully open	white to 76D	76C to 75C
upper lobes, outer side	85A	69B-C
lower lobe, inner side	white to N155B with 85A tones	76C-D and white-N155B
lower lobe, outer side	76B-C	white-N155B

*reference variety



Nemesia: 'Balarlilabi' (left) with reference variety 'Fleuripi' (right)



Nemesia: 'Balarlilabi' (left) with reference variety 'Fleuripi' (right)



Nemesia: 'Balarlilabi' (left) with reference variety 'Fleuripi' (right)

Proposed denomination: 'Kirine-44'
Trade name: Angelart Almond Improved
Application number: 08-6472
Application date: 2008/11/28
Applicant: Kirin Agribio Company, Limited, Tokyo, Japan
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Daigaku Takeshita, Kirin Agribio Company, Limited, Tokyo, Japan

Varieties used for comparison: 'Juicy Fruits Citron' and 'Tiktoc' (Compact Innocence)

Summary: *The plants of 'Kirine-44' are less dense than those of 'Tiktoc' and have thicker stems than both reference varieties. 'Kirine-44' has shorter leaves than 'Juicy Fruits Citron' and longer leaves than 'Tiktoc'. 'Kirine-44' has a broader corolla than both reference varieties. The inner side of the upper lobes of the corolla of 'Kirine-44' are white whereas those of 'Juicy Fruits Citron' are yellow green. 'Kirine-44' has longer veins on the inner side of the upper corolla than the reference varieties. The basal blotch on the upper lobe of the corolla is moderately conspicuous and dark violet blue for 'Kirine-44' whereas it is weakly conspicuous and white to very light violet for 'Juicy Fruits Citron' and absent for 'Tiktoc'. The inner side of the lower lobe of the corolla of 'Kirine-44' has stronger undulation and stronger indentation of the margin than that of the reference varieties. 'Kirine-44' has no spur on the lower lobe of the corolla whereas both reference varieties do have a spur.*

Description:

PLANT: semi-upright to spreading growth habit, moderate density

STEM (EXCLUDING INFLORESCENCE): thick

LEAF BLADE: medium number of medium deep indentations of the margin, no variegation, medium green on upper side, petiole present

INFLORESCENCE: medium density, weak flower fragrance

COROLLA: weak colour change with age

UPPER LOBES OF COROLLA: white on inner side, white with light blue violet along midvein on outer side, medium long violet blue veins, basal blotch is medium in size, of moderate conspicuousness and dark violet blue

UPPER LOBES OF COROLLA (CENTRAL LOBES): overlapping

UPPER LOBES OF COROLLA (LATERAL LOBES): moderately shorter length in relation to length of lower lobe, moderately outward attitude when viewed from the front, in line with to slightly behind central lobes when viewed from the side, rounded apex

LOWER LOBE OF COROLLA: weak to moderately incurved, weak curvature in cross-section, strong undulation, moderate indentation of margin, inner side is white with light yellow secondary colour surrounding palate, outer side is white

PALATE: medium to large size relative to size of lower lobe of corolla, yellow orange, dense hairs

SPUR: absent

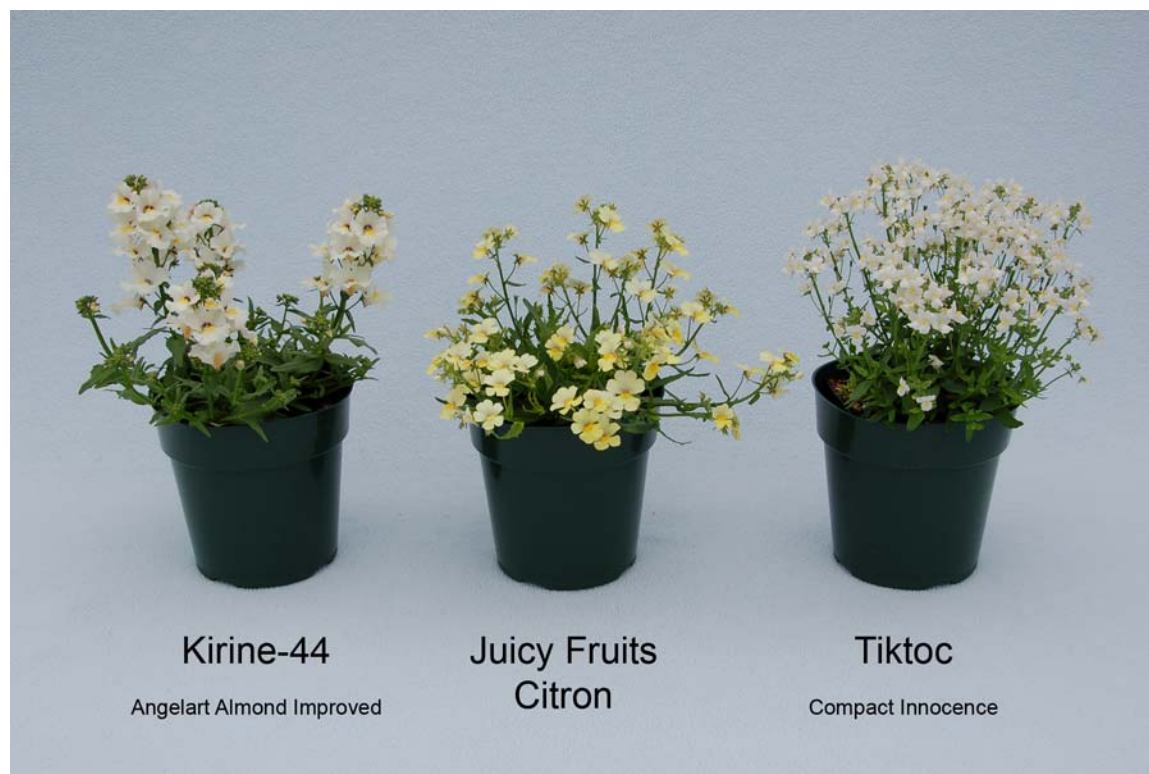
Origin and Breeding: 'Kirine-44' was developed by the breeder, Mr. Daigaku Takeshita, an employee of Kirin Agribio Co., Ltd., in Tochigi, Japan. It originated from a controlled cross made in February 2007 in Tochigi, Japan, between two unnamed proprietary seedlings. 'Kirine-44' was selected from the resulting progeny in September 2007 in De Lier, the Netherlands, based on its plant habit, better branching, flower size and flower colour. Asexual reproduction by cuttings was first conducted in the autumn of 2007 in De Lier, the Netherlands.

Tests and Trials: Trials for 'Kirine-44' were conducted in a polyhouse during the spring of 2009 at BioFlora Inc. in St. Thomas, Ontario. It included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on April 7, 2009. Measured characteristics were based on measurements taken from 10 plants or parts of plants on May 11, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Kirine-44'

	'Kirine-44'	'Juicy Fruits Citron**	'Tiktoc**
<i>Leaf blade length (cm)</i>			
mean	3.9	5.5	2.3
std. deviation	0.25	0.44	0.21
<i>Corolla width (cm)</i>			
mean	3.1	2.6	1.7
std. deviation	0.26	0.16	0.21
<i>Colour of corolla (RHS)</i>			
upper lobes, inner side	white-155C	1C	white
upper lobes, outer side	white-155C with 69C midvein	closest to 4D	white
lower lobe, inner side - main colour	white-155C	lighter than 2B	white
lower lobe, inner side - secondary colour	9D	N/A	N/A
lower lobe, outer side	white	closest to 4D	white

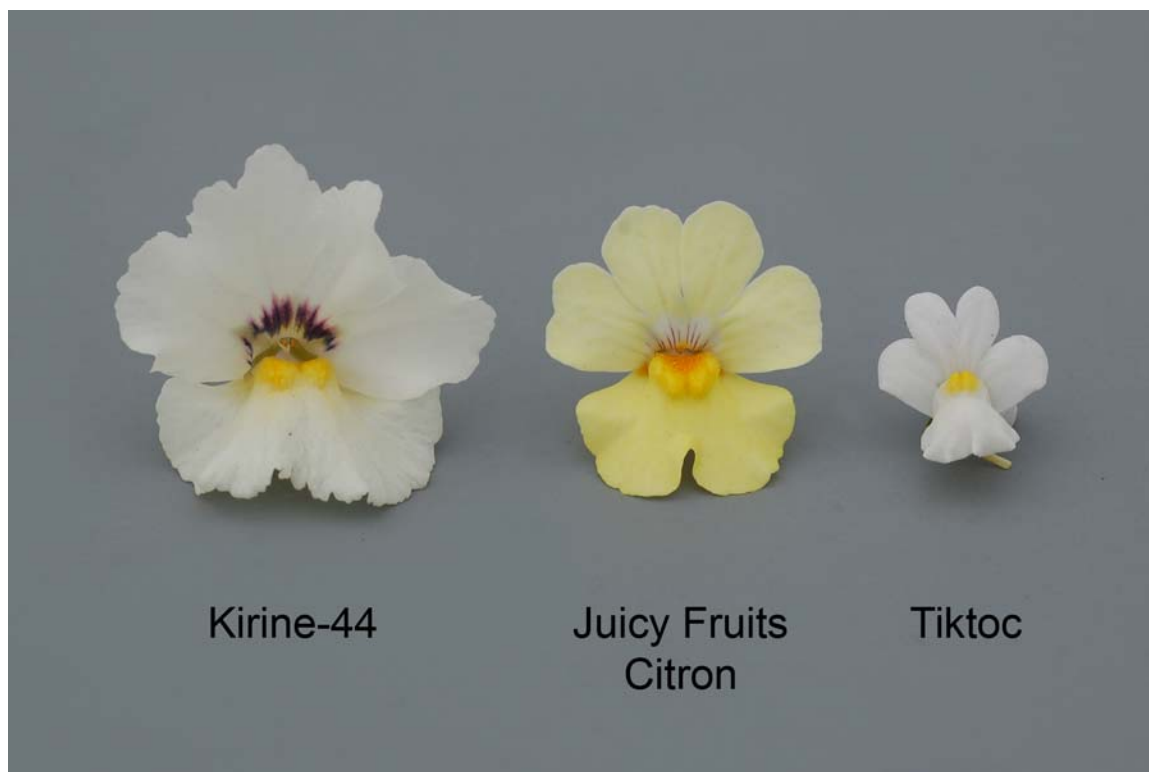
*reference varieties



Nemesia: 'Kirine-44' (left) with reference varieties 'Juicy Fruits Citron' (centre) and 'Tiktoc' (right)



Nemesia: 'Kirine-44' (left) with reference varieties 'Juicy Fruits Citron' (centre) and 'Tiktoc' (right)



Nemesia: 'Kirine-44' (left) with reference varieties 'Juicy Fruits Citron' (centre) and 'Tiktoc' (right)

Proposed denomination: 'Kirine-50'
Trade name: Angelart Raspberry
Application number: 08-6473
Application date: 2008/11/28
Applicant: Kirin Agribio Company, Limited, Tokyo, Japan
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Daigaku Takeshita, Kirin Agribio Company, Limited, Tokyo, Japan

Varieties used for comparison: 'Inuprasp' (Sunsatia Raspberry) and 'Kirine-14' (Angelart Fruit Punch)

Summary: 'Kirine-50' has larger leaves than 'Kirine-14' and shallower leaf blade margin indentations than 'Inuprasp'. 'Kirine-50' has a larger corolla than either reference variety. The inner side of the upper lobes of the corolla are purple for 'Kirine-50' while they are blue pink with lighter blue pink background for 'Inuprasp' and dark pink red with faded red pink tones for 'Kirine-14'. The basal blotch on the upper lobes of the corolla of 'Kirine-50' is smaller than that of 'Inuprasp' and less conspicuous than that of 'Kirine-14'. The palate on the corolla of 'Kirine-50' is orange red becoming red with age whereas it is orange red for 'Inuprasp' and yellow orange for 'Kirine-14'.

Description:

PLANT: semi-upright growth habit, moderate density
 STEM (EXCLUDING INFLORESCENCE): thick

LEAF BLADE: medium to many shallow to medium size indentations of the margin, no variegation, medium green on upper side, no petiole

INFLORESCENCE: moderate to dense, weak flower fragrance

COROLLA: moderate colour change with age

UPPER LOBES OF COROLLA: purple on inner side, outer side has a purple red margin fading to light blue pink to white towards base, short red purple veins, moderately conspicuous veins, basal blotch is medium size of moderate conspicuousness and red purple

UPPER LOBES OF COROLLA (CENTRAL LOBES): overlapping

UPPER LOBES OF COROLLA (LATERAL LOBES): moderately shorter length relative to length of lower lobe, moderately outward attitude when viewed from the front, in line with central lobes when viewed from the side, rounded apex

LOWER LOBE OF COROLLA: moderately incurved, weak curvature in cross-section, strong undulation, no indentation of margin, purple with blue pink tones on inner side, outer side has a purple red margin fading to blue pink to white towards base

PALATE: medium size relative to size of lower lobe of corolla, orange red changing to red with age, dense hairs

SPUR: absent

Origin and Breeding: 'Kirine-50' was developed by the breeder, Mr. Daigaku Takeshita, an employee of Kirin Agribio Co., Ltd., in Tochigi, Japan. It originated from a controlled cross made in February 2007 in Tochigi, Japan, between two unnamed proprietary seedlings. 'Kirine-50' was selected as a single plant from the resultant progeny in September 2007 in De Lier, the Netherlands, based on its plant growth habit, better branching, flower size and flower colour.

Tests and Trials: Trials for 'Kirine-50' were conducted in a polyhouse during the spring of 2009 at BioFlora Inc. in St. Thomas, Ontario. It included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on April 7, 2009. Measured characteristics were based on measurements taken from 10 plants or parts of plants on May 11, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Kirine-50'

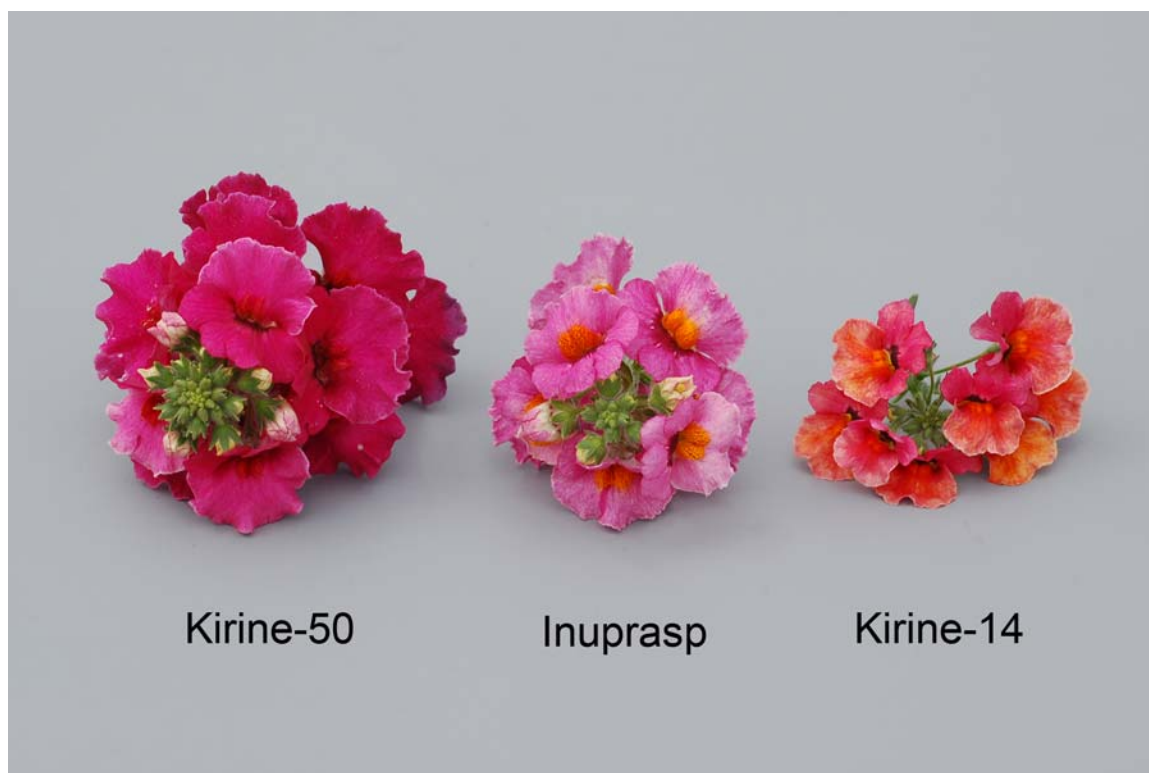
	'Kirine-50'	'Inuprasp'*	'Kirine-14**
<i>Leaf blade length (cm)</i>			
mean	4.9	4.1	4.0
std. deviation	0.38	0.38	0.29

<i>Leaf blade width (cm)</i>			
mean	2.0	1.8	1.0
std.deviation	0.24	0.12	0.12
<i>Corolla width (cm)</i>			
mean	3.2	2.6	2.4
std.deviation	0.22	0.19	0.20
<i>Corolla colour (RHS)</i>			
upper lobes, inner side	61B	64C with N66D background	53D with 47D tones and yellow background with age
upper lobes, outer side	59D margin fading to 62B to white towards base	closest to 70B fading to 69D to white towards base	51A margin fading to 51D to white towards base
lower lobe, inner side	64B with 67B tones	64C with 76C background	53D and 42B-C speckles around palate with 12A-B background
lower lobe, outer side	59D margin fading to 63C-D to white towards base	71C margin, close to 70B	51A margin fading to 51D to white towards base

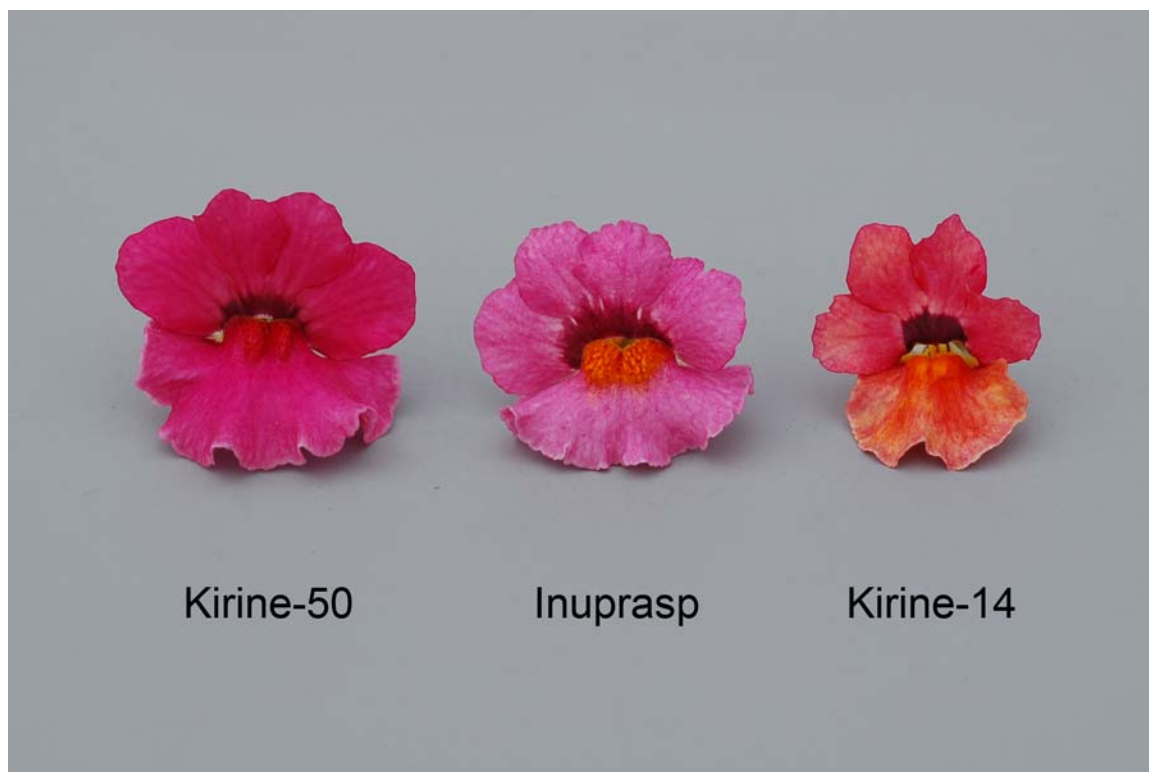
*reference varieties



Nemesia: 'Kirine-50' (left) with reference varieties 'Inuprasp' (centre) and 'Kirine-14' (right)



Nemesia: 'Kirine-50' (left) with reference varieties 'Inuprasp' (centre) and 'Kirine-14' (right)



Nemesia: 'Kirine-50' (left) with reference varieties 'Inuprasp' (centre) and 'Kirine-14' (right)

NEMESIA
(*Nemesia foetens*)

Proposed denomination: 'Balarwitim'
Trade name: Aromatica White Improved
Application number: 08-6201
Application date: 2008/02/28
Applicant: Ball Horticultural Company, West Chicago, Illinois, United States of America
Agent in Canada: Brenda Cole, BioFlora Inc., St. Thomas, Ontario
Breeder: Paul Talmadge, Orcutt, California, United States of America

Variety used for comparison: 'Tiktoc' (Compact Innocence)

Summary: 'Balarwitim' has a larger corolla than 'Tiktoc'. 'Balarwitim' has a small, weakly conspicuous, yellow blotch at the base of the upper lobes of the corolla while 'Tiktoc' has none.

Description:

PLANT: upright growth habit, moderate density
 STEM (EXCLUDING INFLORESCENCE): thin

LEAF BLADE: medium number of shallow indentations of margin, no variegation, medium green on upper side, petiole present

INFLORESCENCE: sparse density, weak flower fragrance

COROLLA: no colour change with age

UPPER LOBES OF COROLLA: white on inner and outer sides, absent or short yellow veins, very weakly conspicuous veins, basal blotch is very small, weakly conspicuous and yellow

UPPER LOBES OF COROLLA (CENTRAL LOBES): touching

UPPER LOBES OF COROLLA (LATERAL LOBES): equal in length relative to length of lower lobe, moderately outward attitude when viewed from the front, in line with central lobes when viewed from the side, rounded apex

LOWER LOBE OF COROLLA: moderately incurved, weak curvature in cross-section, weak to moderate undulation, weak indentation of margin, white on inner and outer sides, no secondary colour

PALATE: small relative to size of lower lobe of corolla, medium yellow, dense hairs

SPUR: short

Origin and Breeding: 'Balarwitim' is the result of an open pollination conducted in October 2005 in Guadalupe, California, U.S.A. as part of a controlled breeding program. The female parent was the proprietary breeding selection designated '5291-3', characterized by its white flowers, medium green foliage and mounded plant growth habit. 'Balarwitim' was initially selected in March 2006 based on its uniform performance in multiple environments, compact and mounded growth habit and full foliage.

Tests and Trials: Trials for 'Balarwitim' were conducted in a polyhouse during the spring of 2009 at BioFlora Inc. in St. Thomas, Ontario. It included a total of 15 plants per variety. All plants were grown from rooted cuttings and transplanted into 11.5 cm pots on April 7, 2009. Measured characteristics were based on measurements taken from 10 plants or parts of plants on May 11, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Balarwitim'

	'Balarwitim'	'Tiktoc'*
<i>Corolla length (cm)</i>		
mean	2.4	1.6
std. deviation	0.12	0.10
<i>Corolla width (cm)</i>		
mean	2.2	1.7
std. deviation	0.15	0.21

*reference variety



Nemesia: 'Balarwitim' (left) with reference variety 'Tiktoc' (right)



Nemesia: 'Balarwitim' (left) with reference variety 'Tiktoc' (right)



Nemesia: 'Balarwitim' (left) with reference variety 'Tiktoc' (right)
