



PETUNIA
(*Petunia ×hybrida*)

Proposed denomination: 'KLEPH20490'
Trade name: Starlet Light Pink
Application number: 22-11061
Application date: 2022/08/16
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Antonella Capo, Latina, Italy

Varieties used for comparison: 'Main Stage Pink' and 'Baroque Pink Ray'

Summary: *The plants of 'KLEPH20490' have an upright growth habit while those of 'Main Stage Pink' have a spreading growth habit. The plants of 'KLEPH20490' are shorter than those of 'Baroque Pink Ray'. The shoot of 'KLEPH20490' is shorter than that of both reference varieties. When fully opened, the inner side of the corolla of 'KLEPH20490' is mainly dark blue pink with light to medium blue pink secondary colour along the mid-veins of the corolla lobe and white tertiary colour at the transition to the corolla tube, whereas that of 'Main Stage Pink' is mainly a lighter dark blue pink with medium blue pink secondary colour at the transition to the corolla tube, and that of 'Baroque Pink Ray' is medium purple with no secondary colour. The corolla lobe of 'KLEPH20490' has a cuspidate apex whereas that of 'Main Stage Pink' has a rounded apex and that of 'Baroque Pink Ray' has a truncate apex. The inner side of the corolla tube of 'KLEPH20490' is medium yellow brown while it is white for both reference varieties. The outer side of the corolla tube of 'KLEPH20490' is medium blue pink while it is white for both reference varieties. The anther of 'KLEPH20490' has yellow pollen while that of 'Main Stage Pink' has white pollen.*

Description:

PLANT: upright growth habit

LEAF BLADE: ovate to elliptic shape, acute apex, no variegation, medium green

PEDICEL: absent or very weak intensity of anthocyanin colouration

FLOWER: single type

COROLLA: strong degree of lobing, weak degree of undulation

COROLLA (INNER SIDE): weak to medium conspicuousness of veins, greenish veins; mainly dark blue pink (closest to RHS 73A) when fully opened, newly opened and aged; light to medium blue pink (closest to RHS 73C-D) secondary colour along mid-veins of corolla lobe, medium area of secondary colour, absent or few number of flowers with different size of area of secondary colour, white (RHS NN155D) tertiary colour at transition to corolla tube

COROLLA LOBE: cuspidate apex

COROLLA TUBE (INNER SIDE): medium yellow brown (closest to RHS 163B), strong conspicuousness of veins

COROLLA TUBE (OUTER SIDE): medium blue pink (closest to RHS 186D)

ANTHER: yellow pollen

Origin and Breeding: 'KLEPH20490' originated from a controlled cross conducted in July 2016 in Latina, Italy between the proprietary seedling designated 'PH-2014-0777' as the female parent, and the proprietary variety designated 'PH-2015-1208' as the male parent. 'KLEPH20490' was selected in April 2017 in Latina based on plant growth habit, leaf quality and flower quality and colour.

Tests and Trials: The comparative trial for 'KLEPH20490' was conducted in a polyhouse during the spring of 2023 in St. Thomas, Ontario. The trial included 20 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15.2 cm pots on April 19, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants on June 6, 2023. Mean differences were significant at the 5% confidence probability level based on a paired Student's t-test. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'KLEPH20490'

	'KLEPH20490'	'Main Stage Pink'*	'Baroque Pink Ray'*
<i>Plant height (cm)</i>			
mean	11.2	10.4	18.0
std. deviation	0.93	1.23	2.71
<i>Shoot length (cm)</i>			
mean	24.1	27.6	34.4
std. deviation	2.27	3.83	2.23
<i>Colour of inner side of corolla when fully opened (RHS)</i>			
main	closest to 73A	closest to 67C	closest to N74B
secondary	closest to 73C-D	closest to 67D	n/a
tertiary	NN155D	n/a	n/a
<i>Corolla tube colour (RHS)</i>			
inner side	closest to 163B	closest to N155C	closest to 155D
outer side	closest to 186D	closest to 155A	closest to 155A

*reference varieties



Petunia: 'KLEPH20490' (left) with reference varieties 'Main Stage Pink' (centre) and 'Baroque Pink Ray' (right)



Petunia: 'KLEPH20490' (left) with reference varieties 'Main Stage Pink' (centre) and 'Baroque Pink Ray' (right)



Petunia: 'KLEPH20490' (left) with reference varieties 'Main Stage Pink' (centre) and 'Baroque Pink Ray' (right)

Proposed denomination: 'KLEPH20491'
Trade name: Headliner Electric Purple
Application number: 22-11062
Application date: 2022/08/16
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Antonella Capo, Latina, Italy

Variety used for comparison: 'Balspunburg' (Starlet Petunia Burgundy)

Summary: *The leaf of ‘KLEPH20491’ is shorter than that of ‘Balspunburg’. The calyx lobe of ‘KLEPH20491’ is shorter than that of ‘Balspunburg’. The corolla of ‘KLEPH20491’ has a medium degree of lobing and an absent or very weak degree of undulation while that of ‘Balspunburg’ has a strong degree of lobing and a medium degree of undulation. The inner side of the corolla of ‘KLEPH20491’ has a strong conspicuousness of black reddish purple veins whereas the corolla of ‘Balspunburg’ has a medium conspicuousness of black reddish veins. The outer side of the corolla tube of ‘KLEPH20491’ is medium violet while it is dark violet for ‘Balspunburg’.*

Description:

PLANT: upright growth habit

LEAF BLADE: ovate shape, acute to obtuse apex, no variegation, medium green

PEDICEL: medium intensity of anthocyanin colouration

FLOWER: single type

COROLLA: medium degree of lobing, absent or very weak degree of undulation

COROLLA (INNER SIDE): strong conspicuousness of veins, black (reddish purple) veins; mainly medium purple (closest to RHS NN78A) when fully opened, newly opened and aged; no secondary colour

COROLLA LOBE: truncate apex

COROLLA TUBE (INNER SIDE): medium violet (closest to RHS N81A), strong conspicuousness of veins

COROLLA TUBE (OUTER SIDE): medium violet (closest to RHS N79D)

ANTHER: light blue pollen

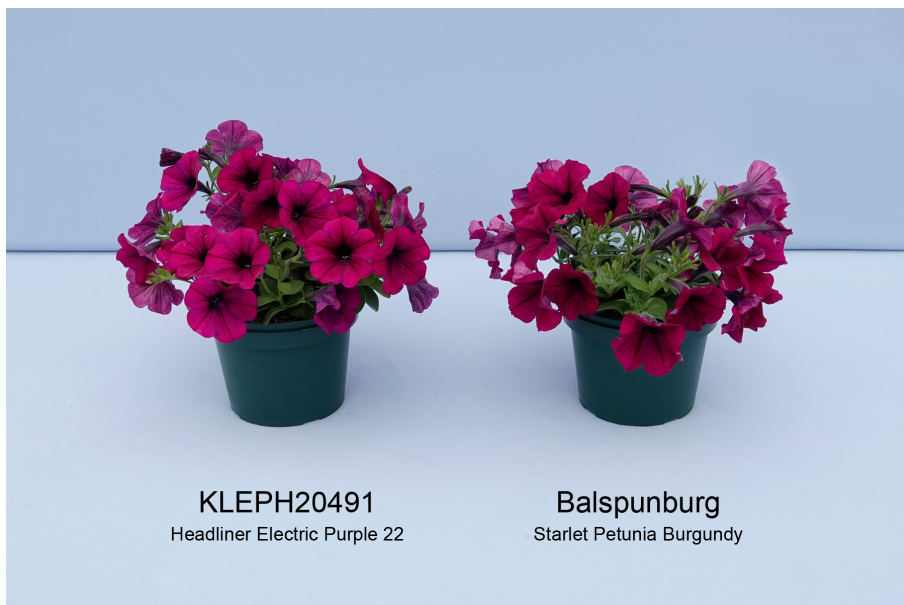
Origin and Breeding: ‘KLEPH20491’ originated from a controlled cross conducted in July 2016 in Latina, Italy between the proprietary seedling designated ‘PH-2014-0777’ as the female parent, and the proprietary variety designated ‘PH-2014-0237’ as the male parent. ‘KLEPH20491’ was selected in April 2017 in Latina based on plant growth habit, leaf quality and flower quality and colour.

Tests and Trials: The comparative trial for ‘KLEPH20491’ was conducted in a polyhouse during the spring of 2023 in St. Thomas, Ontario. The trial included 20 plants of each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15.2 cm pots on April 19, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants on June 6, 2023. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘KLEPH20491’

	‘KLEPH20491’	‘Balspunburg’*
<i>Leaf length (cm)</i>		
mean	2.4	2.8
std. deviation	0.15	0.21
<i>Calyx lobe length (cm)</i>		
mean	1.2	1.7
std. deviation	0.07	0.15
<i>Colour of corolla tube (RHS)</i>		
<i>outer side</i>	closest to N79D	closest to 83B

*reference variety



Petunia: 'KLEPH20491' (left) with reference variety 'Balspunburg' (right)



Petunia: 'KLEPH20491' (left) with reference variety 'Balspunburg' (right)



Petunia: 'KLEPH20491' (left) with reference variety 'Balspunburg' (right)

Proposed denomination:	'WGPEMVMID'
Trade name:	Supertunia Mini Vista Midnight
Application number:	23-11280
Application date:	2023/04/18
Applicant:	WinGen, LLC, Buda, Texas, United States of America
Agent in Canada:	BioFlora Inc., St. Thomas, Ontario
Breeder:	Brian P. Heiser, Chino Hills, California, United States of America

Varieties used for comparison: 'BBTUN10102' (Supertunia Royal Velvet) and 'Littletunia Purple Blue'

Summary: *The shoot of 'WGPEMVMID' is longer than that of both reference varieties. The leaves of 'WGPEMVMID' are wider than that of both reference varieties. The leaf blade of 'WGPEMVMID' is elliptic while that of 'BBTUN10102' is ovate. The corolla of 'WGPEMVMID' is narrower than that of 'BBTUN10102' and wider than that of 'Littletunia Purple Blue'. The inner side of the corolla of 'WGPEMVMID' has weak conspicuousness of veins while that of 'Littletunia Purple Blue' has medium conspicuousness of veins. The inner side of the corolla tube of 'WGPEMVMID' is dark brown with dark violet at the base while it is dark violet for that of both reference varieties. The inner side of the corolla tube of 'WGPEMVMID' has absent or very weak conspicuousness of veins while that of 'BBTUN10102' has strong conspicuousness of veins and that of 'Littletunia Purple Blue' has medium conspicuousness of veins. The outer side of the corolla tube of 'WGPEMVMID' is black and dark violet whereas it is medium blue violet for that of 'BBTUN10102' and dark violet for that of 'Littletunia Purple Blue'. The anther of 'WGPEMVMID' has light blue to blueish violet pollen whereas that of 'BBTUN10102' has yellow pollen.*

Description:

PLANT: upright to spreading growth habit

LEAF BLADE: elliptic shape, acute apex, no variegation, medium green

PEDICEL: absent or very weak to weak intensity of anthocyanin colouration

FLOWER: single type

COROLLA: medium to strong degree of lobing, weak degree of undulation

COROLLA (INNER SIDE): weak degree of conspicuousness of veins, purple veins; dark violet (closest to RHS 83A) when fully opened, newly opened and aged; no secondary colour

COROLLA LOBE: cuspidate apex

COROLLA TUBE (INNER SIDE): dark brown (closest to RHS 200A) with dark violet (RHS 79A) at the base, absent or very weak conspicuousness of veins

COROLLA TUBE (OUTER SIDE): black (closest to RHS N186B) and dark violet (RHS 79A)

ANTHER: light blue to blueish violet pollen

Origin and Breeding: ‘WGPESMVMID’ originated from a controlled cross conducted on October 20, 2018 in Bonsall, California, USA between the proprietary seedling designated ‘PC1015-01’ as the female parent, and the proprietary variety designated ‘PU17092-01’ as the male parent. ‘WGPESMVMID’ was selected on May 18, 2019 in Bonsall, California, USA based on plant vigour, plant growth habit, density of branching, flower colour, free flowering and time of flowering. Asexual reproduction of the variety was first conducted by cuttings on August 28, 2018 in Bonsall, California, USA.

Tests and Trials: The comparative trial for ‘WGPESMVMID’ was conducted in a polyhouse during the spring of 2023 in St. Thomas, Ontario. The trial included 20 plants of each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15.2 cm pots on April 13, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants on May 30, 2023. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘WGPESMVMID’

	‘WGPESMVMID’	‘BBTUN10102’*	‘Littletonia Purple Blue’*
<i>Shoot length (cm)</i>			
mean	20.4	15.2	12.1
std. deviation	2.57	1.60	1.38
<i>Leaf width (cm)</i>			
mean	1.8	1.1	1.0
std. deviation	0.32	0.09	0.11
<i>Corolla width (cm)</i>			
mean	4.5	5.0	3.3
std. deviation	0.21	0.36	0.20
<i>Colour of corolla tube (RHS)</i>			
inner side	closest to 200A with 79A at base	closest to 83A	closest to 79C
outer side	closest to N186B, 79A	closest to 83D	closest to 79A

*reference varieties



Petunia: 'WGPEMVMID' (left) with reference varieties 'BBTUN10102' (centre) and 'Littletonia Purple Blue' (right)



Petunia: 'WGPEMVMID' (left) with reference varieties 'BBTUN10102' (centre) and 'Littletonia Purple Blue' (right)



Petunia: 'WGPESMVMID' (left) with reference varieties 'BBTUN10102' (centre) and 'Littletunia Purple Blue' (right)

Proposed denomination: 'WGPESMVYEL'
Trade name: Supertunia Mini Vista Yellow
Application number: 23-11281
Application date: 2023/04/18
Applicant: WinGen, LLC, Buda, Texas, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ushio Sakazaki, Shiga, Japan

Variety used for comparison: 'Dekko Banana'

Summary: *The plants of 'WGPESMVYEL' are taller than those of 'Dekko Banana'. The pedicel of 'WGPESMVYEL' is longer than that of 'Dekko Banana'. When fully opened, the inner side of the corolla of 'WGPESMVYEL' is mainly light yellow with medium yellow secondary colour along the mid-veins of the corolla lobes whereas it is mainly medium yellow with pink secondary colour in an irregular distribution for 'Dekko Banana'. The corolla lobe of 'WGPESMVYEL' has a cuspidate apex while the corolla lobe of 'Dekko Banana' has a truncate apex. The inner side of the corolla tube of 'WGPESMVYEL' is dark yellow while it is medium yellow brown for 'Dekko Banana'. The inner side of the corolla tube of 'WGPESMVYEL' has absent or very weak conspicuousness of veins while that of 'Dekko Banana' has medium conspicuousness of veins. The outer side of the corolla tube of 'WGPESMVYEL' is medium yellow whereas it is light yellow brown for 'Dekko Banana'.*

Description:

PLANT: upright to spreading growth habit, absent or few number of flowers with different size of area of secondary colour

LEAF BLADE: ovate shape, acute apex, no variegation, medium green

PEDICEL: absent or very weak intensity of anthocyanin colouration

FLOWER: single type

COROLLA: weak degree of lobing, weak degree of undulation

COROLLA (INNER SIDE): weak to medium degree of conspicuousness of veins, yellow veins, light yellow (closest to RHS 9D) when fully opened, small area of medium yellow (RHS 12B) secondary colour along mid-veins of corolla lobes, light yellow (RHS 5D) with medium yellow (RHS 5A) along mid-veins of corolla lobes when newly opened, light yellow (closest to RHS 9D) when aged

COROLLA LOBE: cuspidate apex

COROLLA TUBE (INNER SIDE): dark yellow (closest to RHS 13A), absent or very weak conspicuousness of veins

COROLLA TUBE (OUTER SIDE): medium yellow (closest to RHS 3C)

ANTHER: whitish pollen

Origin and Breeding: ‘WGPESMVYEL’ originated from a controlled cross conducted on May 14, 2018 in Higashiomi, Shiga, Japan between the proprietary seedling designated ‘17P080-01’ as the female parent, and the male parent variety ‘Yes Yellow’. ‘WGPESMVYEL’ was selected on May 8, 2019 in Bonsall, California, USA based on plant growth habit, branching characteristics, flower colour, flower size, free flowering and time of flowering. Asexual reproduction of the variety was first conducted by cuttings on May 15, 2019 in Bonsall, California, USA.

Tests and Trials: The comparative trial for ‘WGPESMVYEL’ was conducted in a polyhouse during the spring of 2023 in St. Thomas, Ontario. The trial included 20 plants of each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15.2 cm pots on April 13, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants on May 30, 2023. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘WGPESMVYEL’

	‘WGPESMVYEL’	‘Dekko Banana’*
<i>Plant height (cm)</i>		
mean	12.6	8.1
std. deviation	1.34	1.32
<i>Pedicel length (cm)</i>		
mean	2.5	1.3
std. deviation	0.28	0.53
<i>Colour of inner side of corolla when fully opened (RHS)</i>		
main	closest to 9D	closest to 8B
secondary	12B	37B
<i>Colour of corolla tube (RHS)</i>		
inner side	closest to 13A	closest to 163B
outer side	closest to 3C	closest to 161A

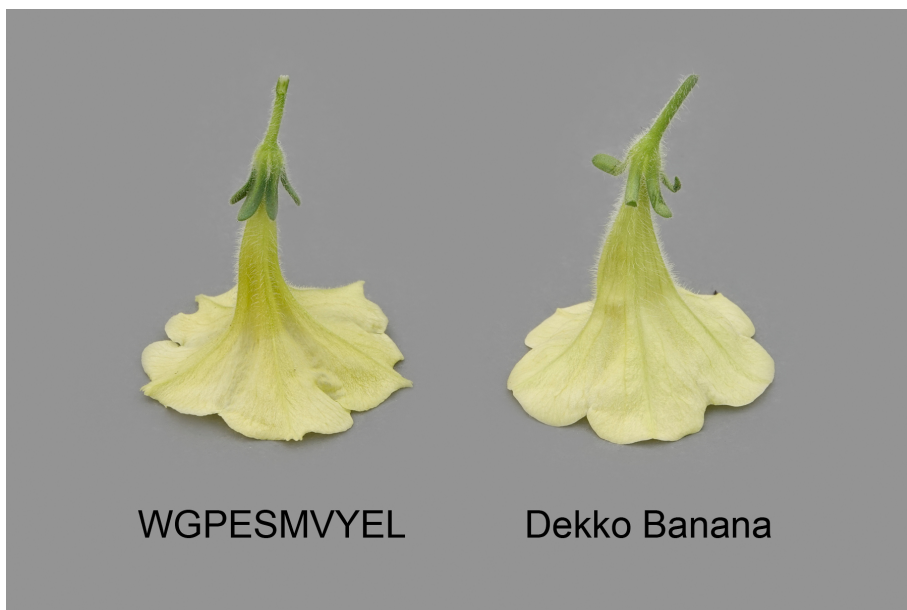
*reference variety



Petunia: ‘WGPESMVYEL’ (left) with reference variety ‘Dekko Banana’ (right)



Petunia: 'WGPESMVYEL' (left) with reference variety 'Dekko Banana' (right)



Petunia: 'WGPESMVYEL' (left) with reference variety 'Dekko Banana' (right)

Proposed denomination: 'WNPETMVSCA23'
Trade name: Supertunia Mini Vista Scarlet
Application number: 23-11282
Application date: 2023/04/18
Applicant: WinGen, LLC, Buda, Texas, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Brent D. Barnes, Riverside, California, United States of America

Varieties used for comparison: 'USTUN2401M' (Supertunia Mini Vista Hot Pink) and 'Blanket Red'

Summary: *The shoot of 'WNPETMVSCA23' is shorter than the shoot of 'USTUN2401M' and longer than that of 'Blanket Red'. The leaf of 'WNPETMVSCA23' is elliptic while it is ovate for that of both reference varieties. The leaf blade of 'WNPETMVSCA23' is medium green whereas it is light green for that of 'Blanket Red'. The calyx lobe of*

'WNPETMVSCA23' is longer than that of 'USTUN2401M' and shorter than that of 'Blanket Red'. The corolla of 'WNPETMVSCA23' is wider than that of 'USTUN2401M' and narrower than that of 'Blanket Red'. The inner side of the corolla of 'WNPETMVSCA23' has red veins whereas that of 'USTUN2401M' has pink veins. When fully opened, the inner side of the corolla of 'WNPETMVSCA23' is medium red with no secondary colour, whereas it is dark blue pink for that of 'USTUN2401M' and mainly medium red with red pink secondary colour for that of 'Blanket Red'. The apex of the corolla lobe of 'WNPETMVSCA23' has an emarginate shape while it is cuspidate shaped for that of both reference varieties. The inner side of the corolla tube of 'WNPETMVSCA23' is light red pink whereas it is dark blue pink for that of 'USTUN2401M' and white for that of 'Blanket Red'. The outer side of the corolla tube of 'WNPETMVSCA23' is brown red whereas it is light violet for that of 'USTUN2401M' and white for that of 'Blanket Red'. The anther of 'WNPETMVSCA23' has yellow pollen while that of 'USTUN2401M' has light blue pollen.

Description:

PLANT: upright growth habit

LEAF BLADE: elliptic shape, acute apex, no variegation, medium green

PEDICEL: absent or very weak intensity of anthocyanin colouration

FLOWER: single type

COROLLA: medium degree of lobing, weak degree of undulation

COROLLA (INNER SIDE): weak conspicuousness of veins, red veins; medium red (closest to RHS 50A) when fully opened, newly opened and aged; no secondary colour

COROLLA LOBE: emarginate apex

COROLLA TUBE (INNER SIDE): light red pink (RHS 49B and RHS 53A), medium to strong conspicuousness of veins

COROLLA TUBE (OUTER SIDE): brown red (closest to RHS 182B)

ANTHER: yellow pollen

Origin and Breeding: 'WNPETMVSCA23' originated from a controlled cross conducted on May 18, 2019 in Bonsall, California, USA between the proprietary seedling designated '19P247-02' as the female parent, and the proprietary variety designated '17P015-03' as the male parent. 'WNPETMVSCA23' was selected on November 9, 2020 in Jacksonville, Texas, USA based on plant vigour, plant growth habit, flower colour, free flowering and time of flowering. Asexual reproduction of the variety was first conducted by cuttings on November 16, 2020 in Texas, USA.

Tests and Trials: The comparative trial for 'WNPETMVSCA23' was conducted in a polyhouse during the spring of 2023 in St. Thomas, Ontario. The trial included 20 plants of each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15.2 cm pots on April 13, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants on May 30, 2023. Mean differences were significant at the 5% confidence probability level based on a paired Student's t-test. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'WNPETMVSCA23'

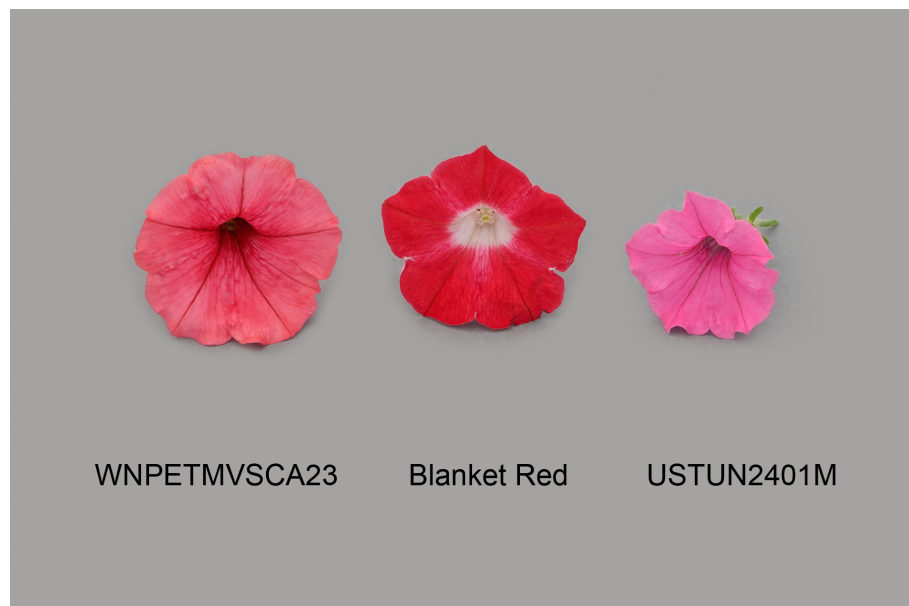
	'WNPETMVSCA23'	'USTUN2401M'*	'Blanket Red'*
<i>Shoot length (cm)</i>			
mean	14.8	17.8	11.5
std. deviation	1.10	3.11	1.57
<i>Calyx lobe length (cm)</i>			
mean	1.2	0.9	1.5
std. deviation	0.11	0.10	0.12
<i>Corolla width (cm)</i>			
mean	3.9	3.4	4.2
std. deviation	0.16	0.15	0.19
<i>Colour of inner side of corolla (RHS)</i>			
main	closest to 50A	closest to 64C	closest to 50A
secondary	n/a	n/a	closest to 52B
<i>Main colour of corolla tube (RHS)</i>			
inner side	49B, 53A	closest to 70C	N155B

outer side closest to 182B 75C 155A-B

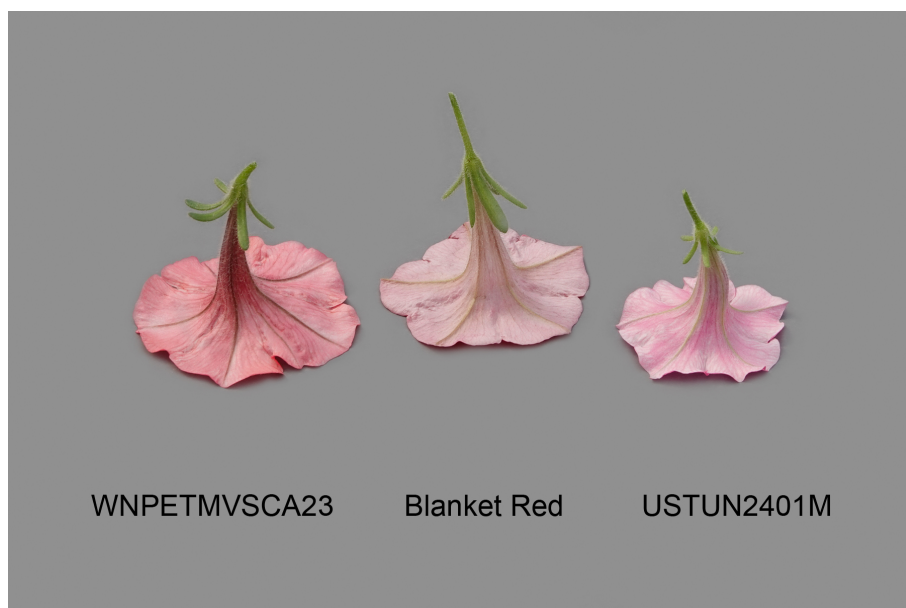
*reference varieties



Petunia: 'WNPETMVSCA23' (left) with reference varieties 'Blanket Red' (centre) and 'USTUN2401M' (right)



Petunia: 'WNPETMVSCA23' (left) with reference varieties 'Blanket Red' (centre) and 'USTUN2401M' (right)



Petunia: 'WNPETMVSCA23' (left) with reference varieties 'Blanket Red' (centre) and 'USTUN2401M' (right)

Proposed denomination: 'WNPETMVSS23'
Trade name: Supertunia Mini Vista Sweet Sangria
Application number: 23-11283
Application date: 2023/04/18
Applicant: WinGen, LLC, Buda, Texas, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Brent D. Barnes, Riverside, California, United States of America
 Adam Moseley, Kyle, Texas, United States of America

Varieties used for comparison: 'USTUN2401M' (Supertunia Mini Vista Hot Pink) and 'Littletonia Rose'

Summary: *The plants of 'WNPETMVSS23' are taller than those of both reference varieties. The pedicel of 'WNPETMVSS23' has a medium intensity of anthocyanin colouration whereas that of both reference varieties have an absent or very weak intensity of anthocyanin colouration. The corolla of 'WNPETMVSS23' is wider than that of both reference varieties. The inner side of the corolla of 'WNPETMVSS23' has an absent or very weak conspicuousness of red purple veins whereas that of 'USTUN2401A' has weak to medium conspicuousness of pink veins and that of 'Littletonia Rose' has weak to medium conspicuousness of red veins. When fully opened, the inner side of the corolla of 'WNPETMVSS23' is medium purple while it is dark blue pink for 'USTUN2401M'. The corolla lobe of 'WNPETMVSS23' has an acute apex whereas it is cuspidate for that of both reference varieties. The inner side of the corolla tube of 'WNPETMVSS23' is medium purple while it is dark blue pink for that of 'USTUN2401M' and light violet for that of 'Littletonia Rose'. The outer side of the corolla tube of 'WNPETMVSS23' is medium violet while it is light violet for 'USTUN2401M' and light blue violet for 'Littletonia Rose'.*

Description:

PLANT: upright growth habit

LEAF BLADE: ovate to elliptic shape, acute apex, no variegation, medium green

PEDICEL: medium intensity of anthocyanin colouration

FLOWER: single type

COROLLA: medium degree of lobing, absent or very weak degree of undulation

COROLLA (INNER SIDE): absent or very weak conspicuousness of veins, red purple veins; mainly medium purple (closest to RHS NN74A) when fully opened, newly opened and aged; no secondary colour

COROLLA LOBE: acute apex

COROLLA TUBE (INNER SIDE): medium purple (closest to RHS NN78B), strong conspicuousness of veins

COROLLA TUBE (OUTER SIDE): medium violet (closest to RHS N78C)

ANTHER: light blue pollen

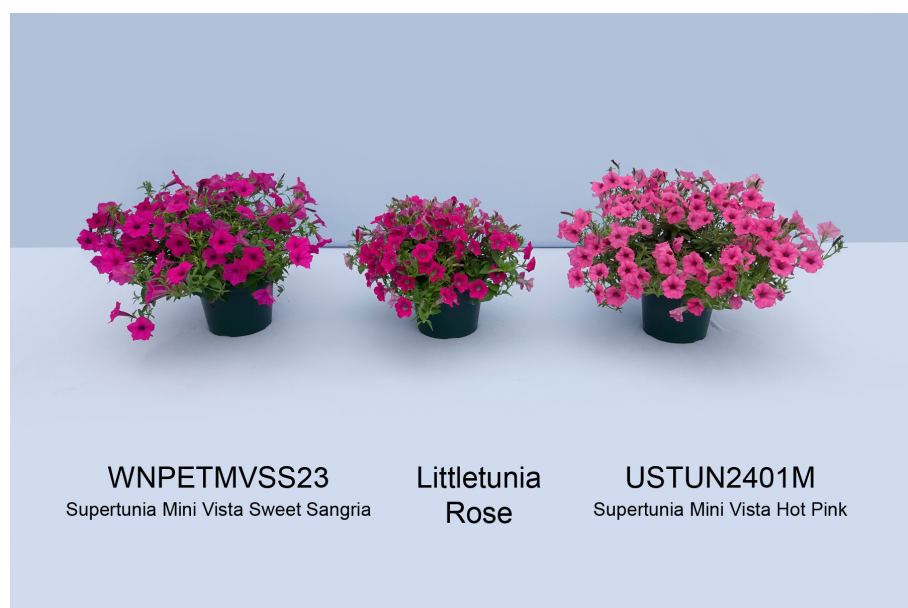
Origin and Breeding: ‘WNPETMVSS23’ originated from a controlled cross conducted on October 15, 2019 in Bonsall, California, USA between the proprietary seedling designated ‘PS001*001’ as the female parent, and the proprietary variety designated ‘17PB276-01’ as the male parent. ‘WNPETMVSS23’ was selected on October 5, 2020 in Tyler, Texas, USA based on plant growth habit, branching density, as well as flower colour, flower size, free flowering and time of flowering. Asexual reproduction of the variety was first conducted by cuttings on October 12, 2020 in Texas, USA.

Tests and Trials: The comparative trial for ‘WNPETMVSS23’ was conducted in a polyhouse during the spring of 2023 in St. Thomas, Ontario. The trial included 20 plants of each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15.2 cm pots on April 13, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants on May 30, 2023. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘WNPETMVSS23’

	‘WNPETMVSS23’	‘USTUN2401M’*	‘Littletunia Rose’*
<i>Plant height (cm)</i>			
mean	14.8	12.4	9.9
std. deviation	1.25	1.28	1.3
<i>Corolla width (cm)</i>			
mean	3.7	3.4	2.8
std. deviation	0.13	0.15	0.32
<i>Colour of inner side of corolla (RHS)</i>			
main	closest to NN74A	closest to 64C	closest to N74A
<i>Colour of corolla tube (RHS)</i>			
inner side	closest to NN78B	closest to 70C	closest to 84D
outer side	closest to N78C	75C	closest to 85D

*reference varieties



Petunia: ‘WNPETMVSS23’ (left) with reference varieties ‘Littletunia Rose’ (centre) and ‘USTUN2401M’ (right)



Petunia: 'WNPETMVSS23' (left) with reference varieties 'Littletunia Rose' (centre) and 'USTUN2401M' (right)



Petunia: 'WNPETMVSS23' (left) with reference varieties 'Littletunia Rose' (centre) and 'USTUN2401M' (right)

Proposed denomination: 'WNPETSTPER23'
Trade name: Supertunia Persimmon
Application number: 23-11284
Application date: 2023/04/18
Applicant: WinGen, LLC, Buda, Texas, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Brent D. Barnes, Riverside, California, United States of America

Variety used for comparison: 'USTUN69002' (Supertunia Daybreak Charm)

Summary: *The plants of ‘WNPETSTPER23’ are shorter than those of ‘USTUN69002’. The corolla of ‘WNPETSTPER23’ is wider than that of ‘USTUN69002’. The corolla of ‘WNPETSTPER23’ has red veins whereas the corolla of ‘USTUN69002’ has pink veins. When fully opened, the inner side of the corolla of ‘WNPETSTPER23’ is mainly red pink with medium yellow brown and orange red secondary colour while it is mainly medium purple with light violet and white secondary colour for that of ‘USTUN69002’. The corolla lobe apex of ‘WNPETSTPER23’ has a cuspidate shape whereas that of ‘USTUN69002’ has a truncate shape. The inner side of the corolla tube of ‘WNPETSTPER23’ is medium yellow brown while it is medium yellow for ‘USTUN69002’. The outer side of the corolla tube of ‘WNPETSTPER23’ is light yellow brown with grey brown near the base whereas that of ‘USTUN69002’ is light yellow green with no secondary colour.*

Description:

PLANT: upright to spreading growth habit, absent or few number of flowers with different size of area of secondary colour

LEAF BLADE: ovate shape, acute apex, no variegation, medium green

PEDICEL: absent or very weak intensity of anthocyanin colouration

FLOWER: single type

COROLLA: medium degree of lobing, weak to medium degree of undulation

COROLLA (INNER SIDE): strong conspicuousness of veins, red veins, mainly red pink (closest to RHS 51A) when fully opened, medium yellow brown (RHS 163A) and orange red (RHS 35B) secondary colour at transition to corolla tube and between corolla lobes, small to medium area of secondary colour, red pink (RHS 51A) when newly opened, medium violet (closest to RHS 72B) aged flower

COROLLA LOBE: cuspidate apex

COROLLA TUBE (INNER SIDE): medium yellow brown (closest to RHS 163B), medium to strong conspicuousness of veins

COROLLA TUBE (OUTER SIDE): light yellow brown (RHS 162C) with grey brown (RHS 199B) near the base

ANTHER: whitish pollen

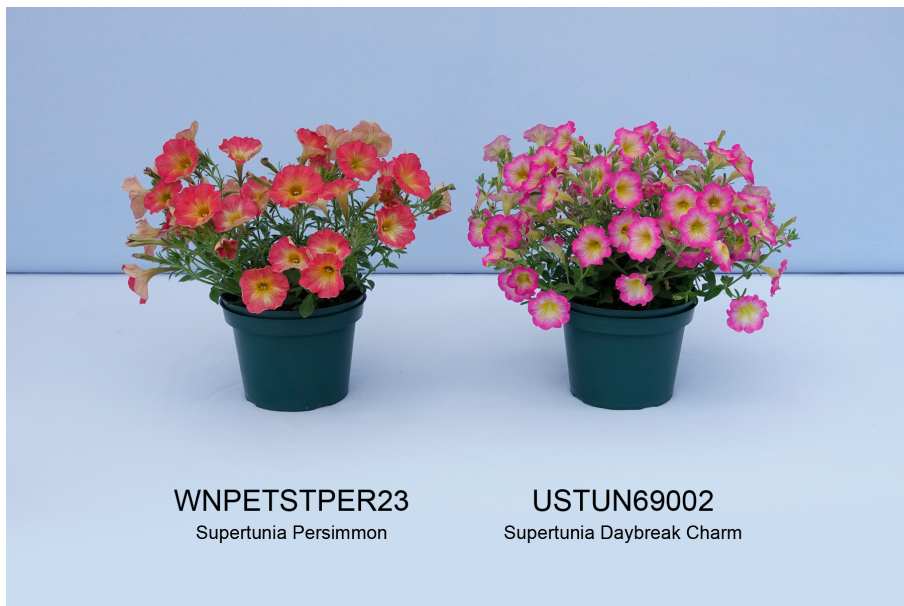
Origin and Breeding: ‘WNPETSTPER23’ originated from a controlled cross conducted on November 12, 2017 in Bonsall, California, USA between the proprietary seedling designated ‘17PB319-02’ as the female parent, and the proprietary variety designated ‘15P931-02’ as the male parent. ‘WNPETSTPER23’ was selected in August 22, 2018 in Bonsall, California, USA based on plant vigour, plant growth habit, as well as flower colour, free flowering and time of flowering. Asexual reproduction of the variety was first conducted by cuttings on August 28, 2018 in Bonsall, California, USA.

Tests and Trials: The comparative trial for ‘WNPETSTPER23’ was conducted in a polyhouse during the spring of 2023 in St. Thomas, Ontario. The trial included 20 plants of each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15.2 cm pots on April 13, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants on May 30, 2023. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘WNPETSTPER23’

	‘WNPETSTPER23’	‘USTUN69002’*
<i>Plant height (cm)</i>		
mean	16.9	19.3
std. deviation	1.41	1.76
<i>Corolla width (cm)</i>		
mean	4.8	4.2
std. deviation	0.44	0.14
<i>Colour of inner side of corolla (RHS)</i>		
main	closest to 51A	closest to N74A
secondary	163A, 35B	75A-B, NN155A
<i>Colour of corolla tube (RHS)</i>		
inner side	closest to 163B	closest to 7A
outer side	162C, 199B near base	closest to 154D

*reference variety



Petunia: 'WNPETSTPER23' (left) with reference variety 'USTUN69002' (right)



Petunia: 'WNPETSTPER23' (left) with reference variety 'USTUN69002' (right)



Petunia: 'WNPETSTPER23' (left) with reference variety 'USTUN69002' (right)
