



APPLICATIONS UNDER EXAMINATION

LOBELIA

LOBELIA
(Lobelia erinus)

Proposed denomination: 'WNLOBLCBE23'
Trade name: Laguna Compact Blue with Eye 2023
Application number: 23-11278
Application date: 2023/04/18
Applicant: WinGen, LLC, Buda, Texas, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Benjamin Kent Winslow, Austin, Texas, United States of America

Variety used for comparison: 'Techno Light Blue'

Summary: *The plants of 'WNLOBLCBE23' are taller than those of 'Techno Light Blue'. The shoot of the plant of 'WNLOBLCBE23' is longer than that of 'Techno Light Blue'. The shoot and upper side of the leaf blade of 'WNLOBLCBE23' have absent or very sparse pubescence whereas those of 'Techno Light Blue' have medium density pubescence. The lower corolla lip of 'WNLOBLCBE23' is wider than that of 'Techno Light Blue'. The inner side of the lower corolla lip of 'WNLOBLCBE23' is darker medium violet blue than that of 'Techno Light Blue'. The inner side of the lower corolla lip of 'WNLOBLCBE23' has a large, rounded white zone whereas that of 'Techno Light Blue' has a small, elongated white zone. The outer side of the corolla tube of 'WNLOBLCBE23' is medium violet blue while it is light blue violet for that of 'Techno Light Blue'.*

Description:

PLANT: semi-upright attitude of shoots

SHOOT: medium thickness, medium intensity of green colouration, absent or very weak intensity of anthocyanin colouration, absent or very sparse pubescence

LEAF: medium depth incisions of margin, oblanceolate shape, mucronate apex

LEAF BLADE (UPPER SIDE): medium intensity of green, absent or very sparse pubescence

FLOWER: single type

UPPER COROLLA LIP: oblanceolate shape of lobes, inner side medium violet blue (RHS N95D)

LOWER COROLLA LIP: inner side medium violet blue (RHS N95D), large rounded white zone, medium size markings present, outer side light violet blue (RHS 97B) to medium violet blue (RHS 97A), touching arrangement of lobes

COROLLA TUBE (OUTER SIDE): medium violet blue (RHS 96C)

Origin and Breeding: 'WNLOBLCBE23' originated from a controlled cross conducted on November 16, 2016 in Alajuela, Costa Rica made between the female parent variety 'Hot Bavaria' and the male parent variety 'Bella Mare'. From the resulting progeny, the new variety was selected as a single plant on August 19, 2017, in Twinsburg, Ohio, USA based on its plant growth habit, flower size, flower colour, number of flowers, flowering period, and heat tolerance. 'WNLOBLCBE23' was first asexually reproduced by cuttings on August 25, 2017 in Ohio, USA.

Tests and Trials: The comparative trial for 'WNLOBLCBE23' 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 variety. All plants were grown from rooted cuttings and transplanted into 11.4 cm deep pots on April 17, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants, on June 5, 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 'WNLOBLCBE23'

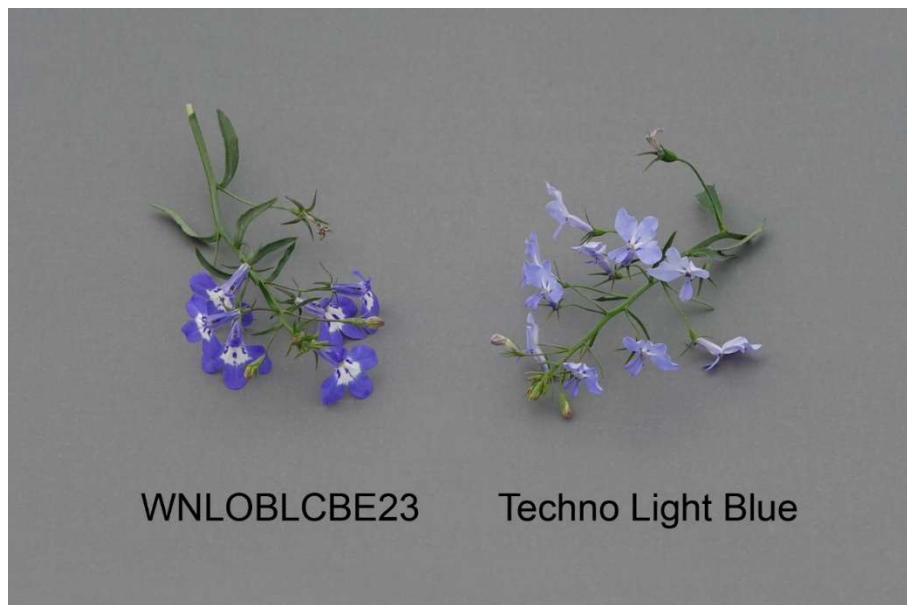
	'WNLOBLCBE23'	'Techno Light Blue'*
<i>Plant height (cm)</i>		

mean	15.8	12.9
std. deviation	1.77	2.11
<i>Shoot length (cm)</i>		
mean	17.2	14.9
std. deviation	2.24	1.84
<i>Lower corolla lip width (cm)</i>		
mean	2.4	1.9
std. deviation	0.09	0.09
<i>Colour of lower corolla lip (RHS)</i>		
inner side	N95D	closest to 96D
<i>Colour of corolla tube (RHS)</i>		
outer side	96C	97B-C

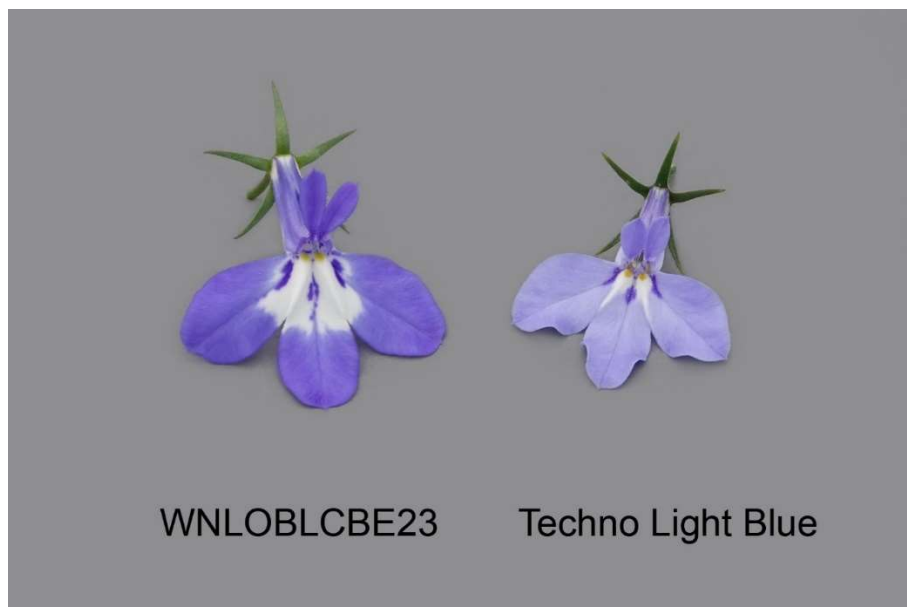
*reference variety



Lobelia: 'WNLOBLCBE23' (left) with reference variety 'Techno Light Blue' (right)



Lobelia: 'WNLOBLCBE23' (left) with reference variety 'Techno Light Blue' (right)



Lobelia: 'WNLOBLCBE23' (left) with reference variety 'Techno Light Blue' (right)

Proposed denomination: 'WNLOBLSB23'
Trade name: Laguna Sky Blue Improved
Application number: 23-11279
Application date: 2023/04/18
Applicant: WinGen, LLC, Buda, Texas, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Benjamin Kent Winslow, Austin, Texas, United States of America

Variety used for comparison: 'Techno Light Blue'

Summary: *The plants of 'WNLOBLSB23' are shorter than those of 'Techno Light Blue'. The shoot of the plant of 'WNLOBLSB23' is longer than that of 'Techno Light Blue'. The shoot of 'WNLOBLSB23' has absent or very sparse pubescence whereas the shoot of 'Techno Light Blue' has medium density pubescence. The leaf blade shape of 'WNLOBLSB23' is obovate*

whereas that of 'Techno Light Blue' is oblanceolate. The inner side of the lower corolla lip of 'WNLOBLSB23' is lighter medium violet blue than that of 'Techno Light Blue'. The inner side of the lower corolla lip of 'WNLOBLSB23' has an absent or very small to small white zone whereas that of 'Techno Light Blue' has a medium sized white zone. The outer side of the lower corolla lip of 'WNLOBLSB23' is light violet blue whereas it is medium blue violet for that of 'Techno Light Blue'.

Description:

PLANT: semi-upright to horizontal attitude of shoots

SHOOT: thin to medium thickness, medium intensity of green colouration, absent or very weak intensity of anthocyanin colouration, absent or very sparse pubescence

LEAF: medium to deep incisions of margin, obovate shape, mucronate apex

LEAF BLADE (UPPER SIDE): medium intensity of green, sparse pubescence

FLOWER: single type

UPPER COROLLA LIP: oblanceolate shape of lobes, inner side medium violet blue (RHS 97A)

LOWER COROLLA LIP: inner side medium violet blue (RHS 97A), very small elongated white zone, small markings present, outer side light violet blue (RHS 97C), free arrangement of lobes

COROLLA TUBE (OUTER SIDE): light violet blue (RHS 97B-C)

Origin and Breeding: 'WNLOBLSB23' originated from a controlled cross conducted on May 17, 2017 in Alajuela, Costa Rica made between the female parent, a proprietary variety designated 'LOB-0009', and the male parent variety 'Magadi Basket White'. From the resulting progeny, the new variety was selected as a single plant on November 2, 2018, in Carleton, Michigan, USA based on its flower coverage, flowering period and heat tolerance. 'WNLOBLSB23' was first asexually reproduced by cuttings on November 7, 2018 in Michigan, USA.

Tests and Trials: The comparative trial for 'WNLOBLSB23' 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 variety. All plants were grown from rooted cuttings and transplanted into 11.4 cm deep pots on April 17, 2023. Observations and measurements were taken from 10 plants, or 10 parts of plants, on June 5, 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.

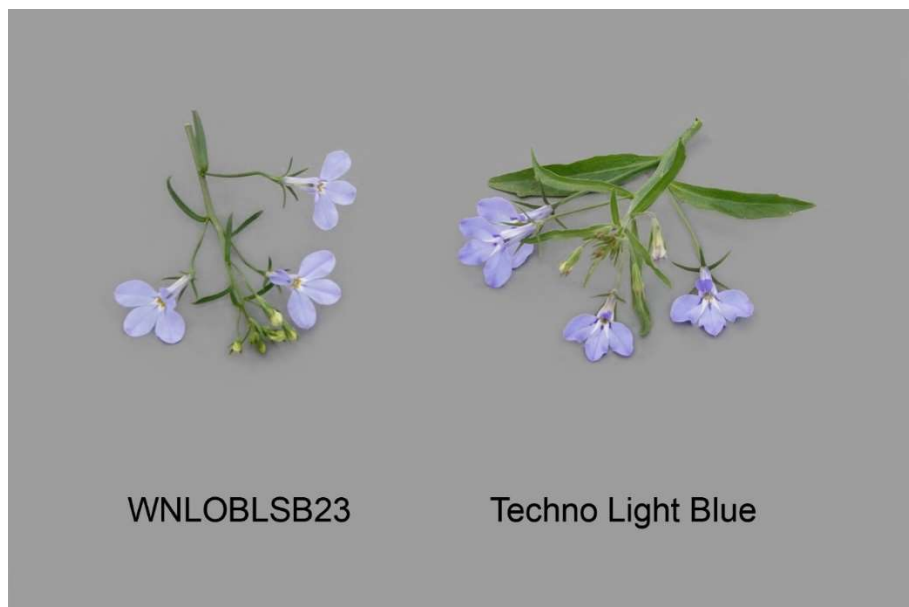
Comparison table for 'WNLOBLSB23'

	'WNLOBLSB23'	'Techno Light Blue'*
<i>Plant height (cm)</i>		
mean	10.4	12.9
std. deviation	1.49	2.11
<i>Shoot length (cm)</i>		
mean	17.7	14.9
std. deviation	2.02	1.85
<i>Colour of lower corolla lip (RHS)</i>		
inner side	97A	closest to 96D
outer side	97C	lighter than 97A

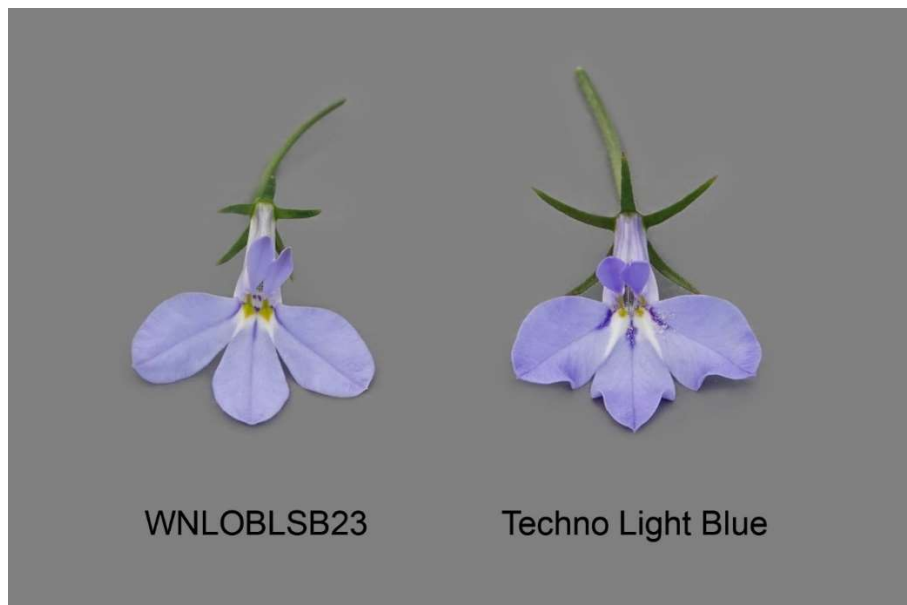
*reference variety



Lobelia: 'WNLOBLSB23' (left) with reference variety 'Techno Light Blue' (right)



Lobelia: 'WNLOBLSB23' (left) with reference variety 'Techno Light Blue' (right)



Lobelia: 'WNLOBLSB23' (left) with reference variety 'Techno Light Blue' (right)
