



CALIBRACHOA
(*Calibrachoa*)

Proposed denomination: 'CBRZ0029'
Trade name: Callie Eclipse Raspberry
Application number: 19-9891
Application date: 2019/05/17
Applicant: Syngenta Participations AG, Basel, Switzerland
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Mitchell Hanes, Syngenta Flowers, Inc., Gilroy, California, United States of America

Varieties used for comparison: 'Cabrio Pink with Eye' and 'Hula Soft Pink'

Summary: *The plant growth habit of 'CBRZ0029' is semi-upright while that of 'Cabrio Pink with Eye' is spreading. The leaf, including the petiole, of 'CBRZ0029' is longer than that of 'Cabrio Pink with Eye' and shorter than that of 'Hula Soft Pink'. The leaf blade apex of 'CBRZ0029' is obtuse while that of both reference varieties is acute. The conspicuousness of the veins on the corolla of 'CBRZ0029' is strong while it is weak on the corolla of both reference varieties. The area of colour at the transition to the corolla tube on the inner side of the corolla of 'CBRZ0029' is large while it is small to medium sized for that of 'Cabrio Pink with Eye' and medium sized for that of 'Hula Soft Pink'. When fully opened, the main colour on the inner side of the corolla lobe of 'CBRZ0029' is dark blue pink while that of 'Cabrio Pink with Eye' is medium to dark blue pink and that of 'Hula Soft Pink' is medium blue pink. The conspicuousness of the veins on the inner side of the corolla tube of 'CBRZ0029' is medium while it is weak on the corolla tube of both reference varieties.*

Description:

PLANT: semi-upright growth habit

LEAF BLADE: obtuse apex, no variegation, upper side medium to dark green

FLOWER: single type

COROLLA: medium degree of lobing, strong conspicuousness of veins

COROLLA LOBE (INNER SIDE): medium purple to dark blue pink (RHS 67A-B) when newly opened and aged, dark blue pink (RHS 64C) when fully opened, no secondary colour, rounded apex

COROLLA TUBE (INNER SIDE): medium yellow green (RHS 151C), large rounded area of dark brown (RHS 187A) extending onto lower corolla lobes, absent or very small marking at transition, medium conspicuousness of veins

Origin and Breeding: 'CBRZ0029' was bred and developed by the breeder Mitchell E. Hanes, an employee of Syngenta Flowers Inc., in Gilroy, California, USA. The new variety originated from a controlled cross conducted in October 2014 between two proprietary seedlings, the female parent designated as '4135-1' and the male parent designated as '4132-3'. From the resulting progeny, seedlings were sown in February 2015 and a unique seedling was selected on May 1, 2015 based on plant growth habit, flower colour and colour pattern.

Tests and Trials: The comparative trial for 'CBRZ0029' was conducted in a polyhouse during the summer of 2022 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate and reference varieties. All plants were grown from rooted plants transplanted into 30 cm hanging baskets on April 6, 2022. Each basket contained 4 cuttings with a total of 5 baskets per variety. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on July 9, 2022. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

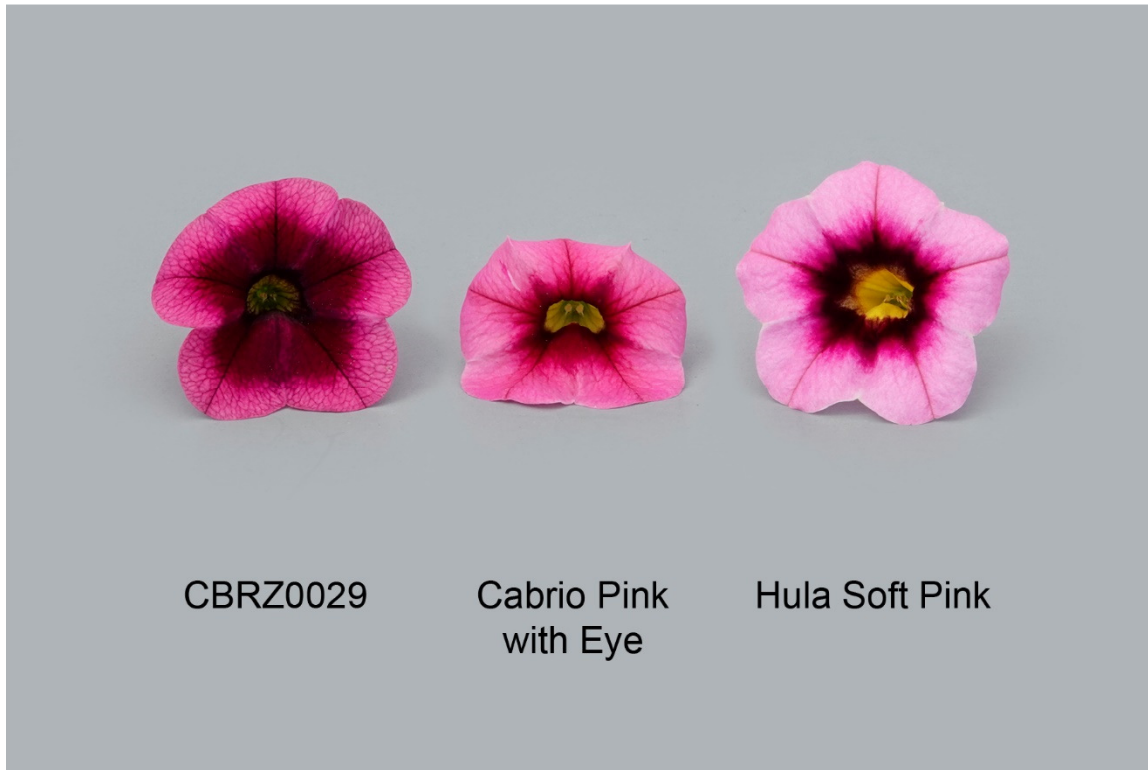
Comparison table for 'CBRZ0029'

	'CBRZ0029'	'Cabrio Pink with Eye**'	'Hula Soft Pink**'
<i>Leaf length (cm)</i>			
mean	3.5	3.0	4.8
std. deviation	0.27	0.19	0.42
<i>Main colour of corolla (RHS)</i>			
inner side	64C	68A-B	N66D

*reference varieties



Calibrachoa: 'CBRZ0029' (left) with reference varieties 'Cabrio Pink with Eye' (centre) and 'Hula Soft Pink' (right)



Calibrachoa: 'CBRZ0029' (left) with reference varieties 'Cabrio Pink with Eye' (centre) and 'Hula Soft Pink' (right)

Proposed denomination: 'CBRZ0033'
Trade name: Callie Eclipse Lilac
Application number: 19-9892
Application date: 2019/05/17
Applicant: Syngenta Participations AG, Basel, Switzerland
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Mitchell Hanes, Syngenta Flowers, Inc., Gilroy, California, United States of America

Varieties used for comparison: 'Superbells Blue Moon Punch' and 'Hula Blue'

Summary: *The shoot of 'CBRZ0033' is longer than that of both reference varieties. The leaf blade apex of 'CBRZ0033' is acute while that of 'Superbells Blue Moon Punch' is obtuse to rounded. The pedicel of 'CBRZ0033' is longer than that of 'Superbells Blue Moon Punch'. The area of colour at the transition to the corolla tube on the inner side of the corolla of 'CBRZ0033' is small to medium sized while it is large for that of 'Superbells Blue Moon Punch'. The main colour on the inner side of the corolla tube of 'CBRZ0033' is medium yellow green while that of 'Superbells Blue Moon Punch' is medium yellow and that of 'Hula Blue' is medium yellow orange.*

Description:

PLANT: upright growth habit

LEAF BLADE: acute apex, no variegation, upper side medium green

FLOWER: single type

COROLLA: medium degree of lobing, absent or very weak to weak conspicuousness of veins

COROLLA LOBE (INNER SIDE): medium blue violet (RHS N82D) when newly opened, medium blue violet (lighter than RHS N87D) when fully opened, light violet (whiter than RHS 84D) when fully opened, no secondary colour, rounded apex

COROLLA TUBE (INNER SIDE): medium yellow green (RHS 154B), small to medium sized rounded area of dark violet (RHS N92A) with a lighter violet (RHS 83A) halo extending onto lower corolla lobes, small yellow marking at transition, weak conspicuousness of veins

Origin and Breeding: ‘CBRZ0033’ was bred and developed by the breeder Mitchell E. Hanes, an employee of Syngenta Flowers Inc., in Gilroy, California, USA. The new variety originated from a controlled cross conducted in February 2015 between two proprietary seedlings, the female parent designated as ‘CB4132-3’ and the male parent designated as ‘CASB065-1’. From the resulting progeny, seedlings were sown in August 2015 and a unique seedling was selected on November 1, 2015 based on plant growth habit, flower colour and early flower initiation.

Tests and Trials: The comparative trial for ‘CBRZ0033’ was conducted in a polyhouse during the summer of 2022 at BioFlora Inc. in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate and reference varieties. All plants were grown from rooted plants transplanted into 30 cm hanging baskets on April 6, 2022. Each basket contained 4 cuttings with a total of 5 baskets per variety. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on June 8, 2022. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘CBRZ0033’

	‘CBRZ0033’	‘Superbells Blue Moon Punch’*	‘Hula Blue’*
<i>Shoot length (cm)</i>			
mean	34.0	23.7	26.0
std. deviation	2.14	1.29	1.31
<i>Pedicel length (cm)</i>			
mean	3.5	2.3	3.0
std. deviation	0.57	0.37	0.27
<i>Main colour of corolla tube (RHS)</i>			
inner side	154B	7A	13B

*reference varieties



CBRZ0033
Callie Eclipse Lilac

Superbells
Blue Moon Punch

Hula Blue

Calibrachoa: ‘CBRZ0033’ (left) with reference varieties ‘Superbells Blue Moon Punch’ (centre) and ‘Hula Blue’ (right)



Calibrachoa: 'CBRZ0033' (left) with reference varieties 'Superbells Blue Moon Punch' (centre) and 'Hula Blue' (right)

Proposed denomination: 'KLECA19487'
Application number: 20-10196
Application date: 2020/05/13
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Dominik Losert, Aspach, Germany

Description:

PLANT: semi-upright growth habit, short

SHOOT: short to medium length

LEAF BLADE: short, medium width, obtuse apex, no variegation, upper side dark green

PEDICEL: very short

CALYX LOBE: short, broad

FLOWER: single type, very broad

COROLLA: weak degree of lobing, medium conspicuousness of veins

COROLLA LOBE (INNER SIDE): dark violet (RHS 86A to 83A) when newly opened, medium blue violet (RHS N87A) to dark violet (RHS 86A) when fully opened, medium blue violet (RHS N87A) when aged, no secondary colour, emarginate apex, absent or very weak colour change during growing season

COROLLA TUBE (INNER SIDE): dark yellow orange (RHS N163C), small to medium rounded area of dark violet (RHS N92A) extending onto lower corolla lobes, absent or very small marking at transition, medium conspicuousness of veins

Origin and Breeding: 'KLECA19487' was bred and developed by the breeder Dominik Losert, an employee of Klemm + Sohn GmbH & Co. KG, in Stuttgart, Germany. The new variety originated from a controlled cross conducted in June 2014 between the proprietary female parent designated as 'CA-2015-6490' and the male parent variety 'Duealkomidbu'. From the resulting progeny, seedlings were selected in April 2015 based on plant growth habit, vigour, branching, early flowering and

flower colour pattern. Selected seedlings were evaluated in greenhouse trials from March to May of 2016 to 2019 for the above criteria and performance. 'KLECA19487' was selected for commercialization in May 2019.

Tests and Trials: The detailed description of 'KLECA19487' is based on the UPOV report of Technical Examination, application number 2020/1143, purchased from the Community Plant Variety Office in Angers, France. The trials were conducted by the Bundessortenamt in Hannover, Germany in 2021. The colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



Calibrachoa: 'KLECA19487'