



APPLICATIONS UNDER EXAMINATION

CALIBRACHOA

CALIBRACHOA (*Calibrachoa*)

Proposed denomination: 'USCALCHSTM'
Trade name: Superbells HolyMoly
Application number: 15-8547
Application date: 2015/03/26
Applicant: Plant 21 LLC, Bonsall, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ushio Sakazaki, Shiga, Japan

Variety used for comparison: 'Wescacandy' (Candy Shop Candy Bouquet)

Summary: *The plants of 'USCALCHSTM' are wider than those of 'Wescacandy'. The leaf and pedicel of 'USCALCHSTM' are longer than those of 'Wescacandy'. The yellow secondary colour on the inner side of the corolla of 'USCALCHSTM' is distributed as a medium width band along the fused parts of the corolla lobes while the yellow secondary colour of 'Wescacandy' is distributed as a broad band along the fused parts of the corolla lobes.*

Description:

PLANT: semi-upright to spreading growth habit

LEAF BLADE: broad acute and obtuse apex, no variegation, upper side dark green

FLOWER: single type

COROLLA: medium to strong degree of lobing, weak conspicuousness of veins

COROLLA LOBE (INNER SIDE): when newly opened purple red (darker, redder than RHS N66A), when fully opened main colour purple (RHS 67A, as dark as 71B) with large area of yellow green (RHS 2D) and yellow (RHS 6A) secondary colour towards transition to corolla tube and distributed as medium width band along the fused parts of the corolla lobes, when aged mainly blue pink (RHS 64C, 72C) with yellow green (RHS 2D) and yellow (RHS 5A) secondary colour at transition to corolla tube, no change of colour due to environment, truncate apex

COROLLA TUBE (INNER SIDE): main colour yellow (closest to RHS 12A), darker yellow (RHS 7A) further in the tube, weak conspicuousness of veins

Origin and Breeding: 'USCALCHSTM' originated as a naturally occurring whole plant mutation of the Calibrachoa variety 'USCAL91001'. The new variety was discovered and selected by the breeder, Ushio Sakazaki, in Gensingen, Germany in July 2012 based on its flower colour and pattern. Asexual reproduction by vegetative tip cuttings of 'USCALCHSTM' was first conducted in August 2012 in Gensingen, Germany.

Tests and Trials: The comparative trial for 'USCALCHSTM' was conducted in a polyhouse during the summer of 2018 at BioFlora, Inc. in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm pots on April 27, 2018. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on June 6, 2018. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'USCALCHSTM'

	'USCALCHSTM'	'Wescacandy'*
<i>Plant width (cm)</i>		
mean	44.2	37.8
std. deviation	2.30	2.25
<i>Leaf length (cm)</i>		
mean	3.2	2.7
std. deviation	0.16	0.14
<i>Pedice l length (cm)</i>		
mean	2.4	1.9
std. deviation	0.27	0.23

*reference variety



Calibrachoa: 'USCALCHSTM' (left) with reference variety 'Wescacandy' (right)



Calibrachoa: 'USCALCHSTM' (left) with reference variety 'Wescacandy' (right)



Calibrachoa: 'USCALCHSTM' (left) with reference variety 'Wescacandy' (right)