



APPLICATIONS UNDER EXAMINATION

ANGELONIA

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(Angelonia angustifolia)

Proposed denomination: 'Cas Lavener'
Trade name: Carita Cascade Lavender
Application number: 07-6080
Application date: 2007/12/24
Applicant: Goldsmith Seeds, Inc., Gilroy, California, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Ralph T. Perkins, Goldsmith Seeds Inc., Gilroy, California, United States of America

Variety used for comparison: 'Balangbeke' (AngelMist Spreading Purple)

Summary: *The leaves of 'Cas Lavener' are longer than those of 'Balangbeke'. 'Cas Lavener' has narrower flowers than 'Balangbeke'. The reflexing of the corolla lobes of 'Cas Lavener' is medium to strong while it is weak for 'Balangbeke'. The lower lip of the corolla of 'Cas Lavener' has weak undulation of the margin while that of 'Balangbeke' has medium undulation of the margin. The chamber of 'Cas Lavener' is longer than that of 'Balangbeke'.*

Description:

PLANT: spreading growth habit

SHOOT: anthocyanin colouration below the inflorescence ranging from weak to medium

LEAF: medium green on upper side, strong glossiness on upper side

UPPER LIP OF FLOWER: violet (RHS N82A) inner side

LOWER LIP OF FLOWER: violet (RHS N82A) inner side, weak undulation of margin

COROLLA LOBES: medium to strong reflexing, no stripes

FLOWER CHAMBER: as long as broad, medium to strong purple red markings on inner side, medium to dense markings

FLOWER POUCH: yellow green on inner side

NECTARY BULGE: white

Origin and Breeding: 'Cas Lavener' originated from a cross between the female parent '432-1' and the male parent '421-3' conducted by the breeder Ralph T. Perkins, in September 2003, as part of a planned breeding program. The resultant seed was sown in a greenhouse in March 2006. In June 2006, a single plant from the progeny was selected by the breeder based on flower colour and plant growth habit.

Tests and Trials: Trials for 'Cas Lavener' were conducted in a polyhouse during the spring/summer of 2009 in St. Thomas, Ontario. The trial included a total of 15 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on April 28, 2009. Observations and measurements were taken from 10 plants of each variety on June 11, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Cas Lavener'

	'Cas Lavener'	'Balangbeke'*
<i>Leaf length (cm)</i>		
mean	6.7	5.3
std. deviation	0.62	0.56
<i>Flower width (cm)</i>		
mean	1.9	2.5
std. deviation	0.34	0.08

Chamber length (mm)

mean	7.5	2.9
std. deviation	0.71	0.32

*reference variety



Angelonia: 'Cas Lavener' (left) with reference variety 'Balangbeke' (right)



Angelonia: 'Cas Lavener' (left) with reference variety 'Balangbeke' (right)