



**APPLICATIONS UNDER EXAMINATION**

**STREPTOCARPUS**

**STREPTOCARPUS**  
*(Streptocarpus saxorum)*

**Proposed denomination:** 'KLEST07337'  
**Application number:** 07-5826  
**Application date:** 2007/03/30  
**Applicant:** Nils Klemm, Stuttgart, Germany  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Nils Klemm, Stuttgart, Germany

**Variety used for comparison:** 'Concord Blue'

**Summary:** *The plants and foliage of 'KLEST07337' are shorter and narrower than those of 'Concord Blue'. The main colour of the flowers of 'KLEST07337' is dark violet to violet whereas it is blue violet for 'Concord Blue'. The lower lobes of the flowers of 'KLEST07337' are wider than those of 'Concord Blue'.*

**Description:**

PLANT: upright-mounding compact growth habit, weak vigour, dense branching, dense foliage  
 STEM: medium thickness, light green, weak anthocyanin colouration, strong density of pubescence

LEAF: opposite arrangement, ovate and elliptic shape, narrow to broad acute apex, obtuse base, entire margin, no variegation  
 UPPER SIDE: medium green, very dense pubescence  
 LOWER SIDE: light green  
 PETIOLE: present, absent or very weak anthocyanin colouration

INFLORESCENCE: brown purple (RHS N77A) peduncle, very strong intensity of anthocyanin colouration on pedicel, raceme, positioned in the terminal and axillary positions  
 FLOWER: outward attitude, violet to dark violet (RHS N87A) on upper surface, violet to light blue violet (RHS 84A-D) on lower surface, no markings on upper lobes, medium to large violet blue (RHS N89A) markings on lower lobes  
 PALATE: white (RHS N157D), medium size  
 COROLLA TUBE: blue violet (RHS 83C)

**Origin and Breeding:** 'KLEST07337' originated from the controlled pollination of an unnamed plant of *Streptocarpus saxorum* and 'A014', as the male parent, conducted in October, 2003 in Stuttgart, Germany. In May, 2004, a single plant from the progeny was selected for flower colour, early flowering and flower quality. The new variety was evaluated in greenhouse trials and assessed for flower colour, flower quality, flowering time, branching characteristics and plant vigour. Outdoor evaluations were conducted for performance and foliage and flower tolerance to weather conditions.

**Tests and Trials:** Trials for 'KLEST07337' were conducted in a polyhouse during the summer of 2009, in St. Thomas, Ontario. The trial included 15 plants of the candidate and reference varieties each individually grown from rooted cuttings and transplanted into 15cm pots on May 5, 2009. Observations and measurements were taken on 10 plants of each variety on September 13, 2009. All colour determinations were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

**Comparison table for 'KLEST07337'**

	'KLEST07337'	'Concord Blue'*
<i>Plant height (cm)</i>		
mean	14.3	20.4
std. deviation	1.73	1.88
<i>Plant width (cm)</i>		
mean	28.6	37.2
std. deviation	2.19	4.97

*Leaf blade length (cm)*

mean	3.0	4.2
std. deviation	0.26	0.19

*Leaf blade width (cm)*

mean	1.8	2.6
std. deviation	0.18	0.21

*Main colour of flower (RHS)*

upper lobes	much darker than N87A	N88B ages to 90D
lower lobes	darker than N87A	lighter than N88B

*Width of lower lobes of flower (cm)*

mean	1.7	1.2
std. deviation	0.16	0.13

\*reference variety



Streptocarpus: 'KLEST07337' (left) with reference variety 'Concord Blue' (right)



Streptocarpus: 'KLEST07337' (left) with reference variety 'Concord Blue' (right)

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