



## APPLICATIONS UNDER EXAMINATION

VERBENA

### VERBENA (*Verbena*)

**Proposed denomination:** 'DVERBINPR'  
**Trade name:** Superbena Sparkling Amethyst  
**Application number:** 19-10054  
**Application date:** 2019/12/04  
**Applicant:** Danziger - "Dan" Flower Farm, Moshav Mishmar Hashiva, Israel  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Gavriel Danziger, Moshav Mishmar Hashiva, Israel

**Variety used for comparison:** 'Lanai Twister Amethyst'

**Summary:** *The leaf blade of 'DVERBINPR' has no divisions whereas the leaf blade of 'Lanai Twister Amethyst' has lobed divisions. The upper side of the leaf blade of 'DVERBINPR' is dark green whereas that of 'Lanai Twister Amethyst' is medium green. The corolla of 'DVERBINPR' has a larger diameter than the corolla of 'Lanai Twister Amethyst'. The inner side of the upper and lower corolla lobes of 'DVERBINPR' differ in colour from those of 'Lanai Twister Amethyst'.*

#### Description:

PLANT: creeping growth habit

STEM: absent or very weak anthocyanin colouration on middle third

LEAF BLADE: ovate shape, no divisions, dentate and serrate margin incisions, dark green upper side, no anthocyanin colouration of upper side

INFLORESCENCE: broad ovate in profile

CALYX: no anthocyanin colouration

COROLLA: free arrangement of lobes, two colours, strongly to weakly fading colour with age

COROLLA LOBE: incurved to straight along longitudinal axis, weak to medium undulation of margin

COROLLA LOBE (INNER SIDE): two colours present, even colour pattern, upper lobes are violet (RHS N81A) when newly opened, upper lobes are dark violet (RHS 83B) fading to violet (RHS N87B) towards apex when fully opened, lower lobes are white (RHS NN155C) when newly opened, lower lobes are white (RHS NN155C) with light blue violet (RHS 85A) tones when fully opened

COROLLA TUBE: tip of protruding hairs is white

COROLLA EYE: very small, green yellow

**Origin and Breeding:** 'DVERBINPR' originated from a controlled cross-pollination conducted by the breeder in May of 2016, in Moshav Mishmar Hashiva, Israel. The cross was made between the female parent variety designated 'VE-14-7887' and the male parent variety designated 'VE-12-6806'. A single unique seedling was selected from the resultant progeny on December 11, 2016. Selection was based on plant growth habit, early flowering, flower colour, abundance of flowering and tolerance to powdery mildew. Asexual reproduction, by vegetative cuttings, of the variety 'DVERBINPR' was first conducted in December 2016, in Moshav Mishmar Hashiva, Israel.

**Tests and Trials:** The comparative trial for 'DVERBINPR' was conducted in a polyhouse during the summer of 2020, 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 transplanted into 15 cm diameter pots on April 17, 2020. Observations and measurements were taken from 10 plants, or parts of plants, on May 28, 2020. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

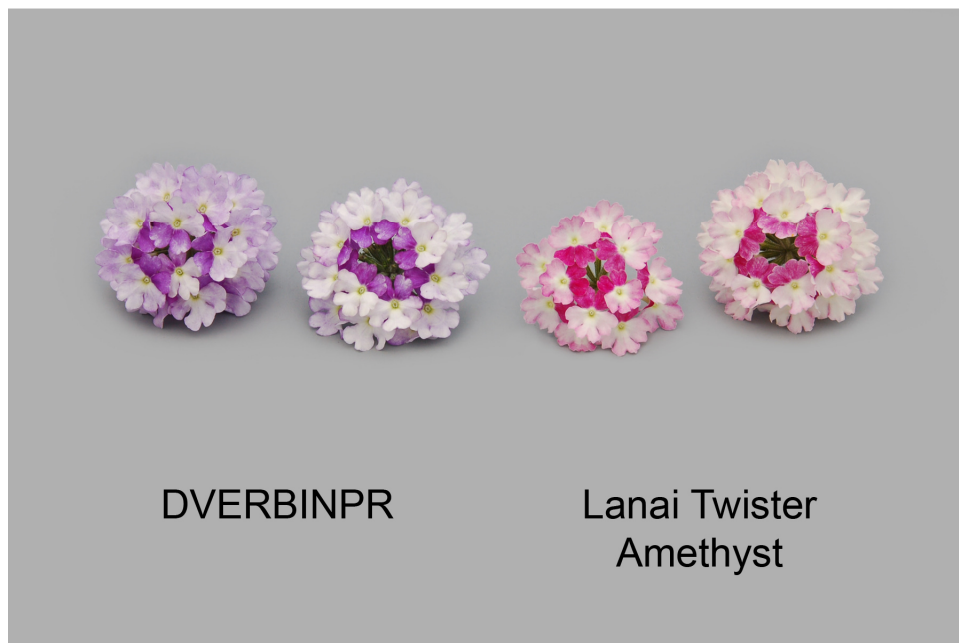
**Comparison table for 'DVERBINPR'**

	<b>'DVERBINPR'</b>	<b>'Lanai Twister Amethyst'</b> *
<i>Corolla diameter (mm)</i>		
mean	2.5	2.1
std. deviation	0.11	0.09
<i>Colour of inner side of newly opened corolla (RHS)</i>		
upper lobes	N81A	redder than N74A
lower lobes	NN155C	NN155C
<i>Colour of inner side of fully opened corolla (RHS)</i>		
upper lobes	83B fading to N87B towards apex	N74B
lower lobes	NN155C with tones of 85A	NN155C with tones of N74C

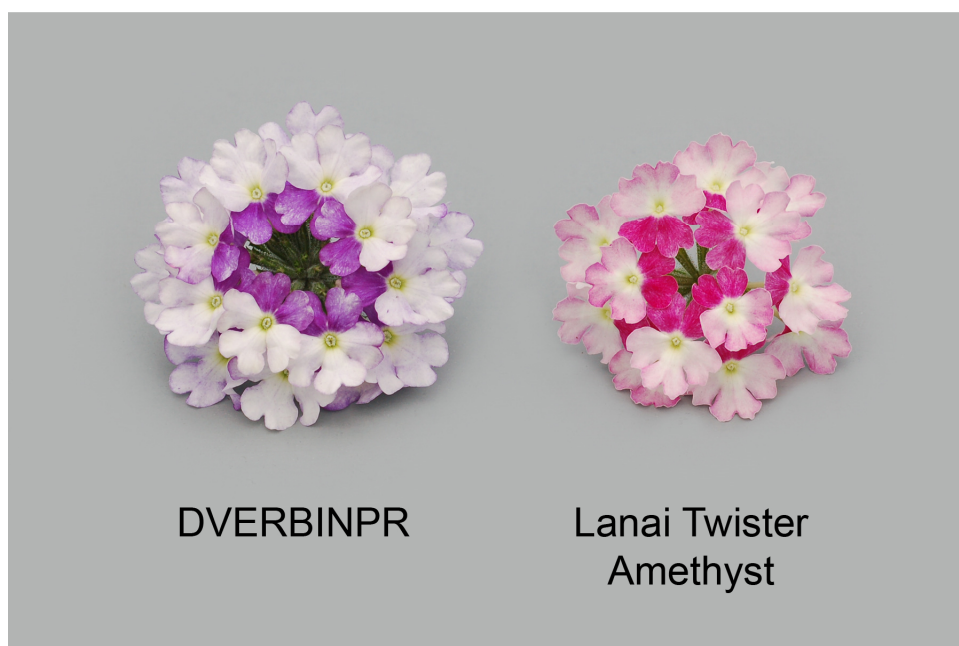
\*reference variety



Verbena: 'DVERBINPR' (left) with reference variety 'Lanai Twister Amethyst' (right)



Verbena: 'DVERBINPR' (left) with reference variety 'Lanai Twister Amethyst' (right)



Verbena: 'DVERBINPR' (left) with reference variety 'Lanai Twister Amethyst' (right)