



APPLICATIONS UNDER EXAMINATION

ROSE

**ROSE**  
(*Rosa*)

**Proposed denomination:** 'VLR001'  
**Trade name:** Chinook Sunrise  
**Application number:** 17-9114  
**Application date:** 2017/03/06  
**Applicant:** Canadian Nursery Landscape Association, Milton, Ontario  
Vineland Research and Innovations Centre Inc., Vineland Station, Ontario  
**Breeder:** Rumen Conev, St. Catharines, Ontario  
Parminderjit Sandhu, Vineland Research and Innovations Centre Inc., Vineland Station, Ontario

**Varieties used for comparison:** 'Morden Sunrise' and 'Singin' in the Rain'

**Summary:** *The plant of 'VLR001' has a semi-upright growth habit whereas the plants of both reference varieties are upright. The young shoot of 'VLR001' has a very weak intensity of anthocyanin colouration whereas the young shoot of 'Morden Sunrise' has a weak intensity of anthocyanin colouration and that of 'Singin' in the Rain' has strong anthocyanin colouration. The upper side of the newly opened leaflet of 'VLR001' has a weak intensity of anthocyanin colouration whereas that of 'Singin' in the Rain' has strong anthocyanin colouration. The flowers of 'VLR001' are semi-double type whereas the flowers of 'Singin' in the Rain' are double type. The petals of 'VLR001' have absent or very weak reflexing of the margin whereas the petals of 'Singin' in the Rain' have strong reflexing of the margin. The inner side of the petal of 'VLR001' is orange pink whereas the inner side of the petal of 'Morden Sunrise' is orange pink with yellow at the base and that of 'Singin' in the Rain' is darker orange pink. The basal spot on the inner side of the petal of 'VLR001' is small and light yellow while the basal spot on the petal of 'Morden Sunrise' is large and medium yellow and that of 'Singin' in the Rain' is medium sized and medium yellow.*

**Description:**

PLANT: shrub type, semi-upright growth habit  
YOUNG SHOOT: very weak intensity of anthocyanin colouration  
PRICKLES: few, yellowish

NEWLY OPENED LEAFLET (UPPER SIDE): weak intensity of anthocyanin colouration

LEAF: medium green on upper side, no anthocyanin colouration, medium degree of glossiness on upper side, weak undulation of margin

TERMINAL LEAF BLADE: medium elliptic, obtuse base, acuminate apex

FLOWERING SHOOT: few flowering laterals, few flowers per lateral

FLOWER BUD: elliptic in longitudinal section, green (RHS 143C)

FLOWER: semi-double type, yellow blend colour group, yellow centre, loose petals, irregularly rounded, flat when viewed from above, concave profile of lower part, medium strength fragrance, weak sepal extensions

PETAL: no reflexing of petals one-by-one, rounded, absent or very weak incisions, absent or very weak reflexing of margin, absent or very weak undulation, one colour on inner side, even colour on inner side, orange pink (RHS 27C) on inner side

BASAL SPOT (INNER SIDE OF PETAL): small, light yellow

OUTER STAMEN: filament predominantly medium yellow

SEED VESSEL: small at petal fall

HIP: pear-shaped

**Origin and Breeding:** 'VLR001' originated from a cross conducted by the breeders Rumen Conev and Parminderjit Sandhu at the Vineland Research and Innovations Centre Inc. in 2011. The female parent selection '20ALFR05' and the male parent selection '27YSP0412' were developed at Agriculture and Agri-Food Canada, Morden Research Station in Manitoba and subsequently moved to Vineland Research Station in 2010, prior to the initial cross which resulted in 'VLR001'. In 2013, seedlings of 'VLR001' were evaluated based on flower colour, flower abundance, plant growth habit; and disease tolerance

to blackspot, Cercospora leaf spot and powdery mildew. Plants were distributed to nine other locations across Canada in 2014 for further evaluation.

**Tests and Trials:** The comparative trial for ‘VLR001’ was conducted outdoors during the summer of 2018 at the Vineland Research and Innovations Centre Inc. located in Vineland Station, Ontario. The trial included 6 plants each of the candidate and reference varieties. One year old plants of ‘VLR001’ and two year old plants of both reference varieties were transplanted into 11 litre containers in April 2018. Observations and measurements were taken from 6 plants, or parts of plants, of each variety on July 26, 2018. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

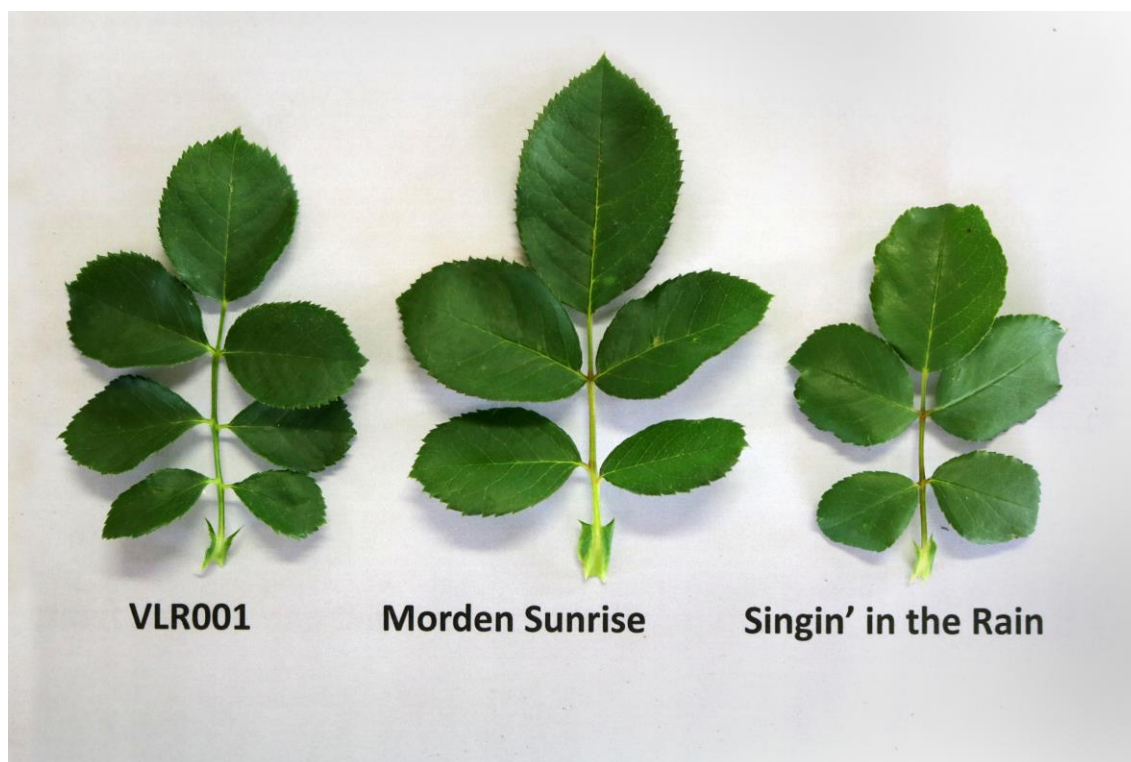
**Comparison table for ‘VLR001’**

	‘VLR001’	‘Morden Sunrise’*	‘Singin’ in the Rain’*
<i>Colour of inner side of petal (RHS)</i>			
main	27C	29D	33D
secondary	N/A	6C at base	N/A

\*reference varieties



Rose: ‘VLR001’ (left) with reference varieties ‘Morden Sunrise’ (centre) and ‘Singin’ in the Rain’ (right)



Rose: 'VLR001' (left) with reference varieties 'Morden Sunrise' (centre) and 'Singin' in the Rain' (right)



Rose: 'VLR001' (left) with reference varieties 'Morden Sunrise' (centre) and 'Singin' in the Rain' (right)

**Proposed denomination:** 'VLR002'  
**Trade name:** Aurora Borealis  
**Application number:** 18-9372  
**Application date:** 2018/01/11  
**Applicant:** Canadian Nursery Landscape Association, Milton, Ontario  
Vineland Research and Innovations Centre Inc., Vineland Station, Ontario  
**Breeder:** Rumen Conev, St. Catharines, Ontario

**Variety used for comparison:** 'Siena Vigorosa'

**Summary:** *The terminal leaf blade of 'VLR002' is ovate whereas the terminal leaf blade of 'Siena Vigorosa' is narrow elliptic. The flowers of 'VLR002' have less petals than the flowers of 'Siena Vigorosa'. The petals of 'VLR002' are larger than those of 'Siena Vigorosa'. The petals of 'VLR002' are purple red whereas those of 'Siena Vigorosa' are lighter purple red with light yellow orange at the base. The petal of 'VLR002' has a small sized medium yellow basal spot while the petal of 'Siena Vigorosa' has a very small light yellow basal spot.*

**Description:**

PLANT: shrub type, semi-upright growth habit  
YOUNG SHOOT: very strong intensity of anthocyanin colouration  
PRICKLES: medium number, yellowish

NEWLY OPENED LEAFLET (UPPER SIDE): strong intensity of anthocyanin colouration  
LEAF: medium size, dark green colour on upper side, no anthocyanin colouration, strong glossiness on upper side, absent or very weak undulation of margin  
TERMINAL LEAF BLADE: ovate, rounded base, acuminate apex

FLOWERING SHOOT: medium number of flowering laterals, very few flowers per lateral  
FLOWER BUD: medium ovate in longitudinal section, brown green (RHS 146C)  
FLOWER: double type, red blend colour group, yellow centre, medium petal density, irregularly rounded, flattened convex when viewed from above, flat profile of lower part, absent or weak fragrance, absent or very weak sepal extensions  
PETAL: no reflexing of petals one-by-one, rounded, absent or very weak incisions, absent or very weak reflexing of margin, weak undulation, one colour on inner side, even colour on inner side, purple red (RHS N57A) on inner side, purple red (RHS N57C) on outer side  
BASAL SPOT (INNER SIDE OF PETAL): small, medium yellow  
OUTER STAMEN: filament predominantly medium yellow  
SEED VESSEL: small at petal fall  
HIP: pitcher-shaped

**Origin and Breeding:** 'VLR002' originated from a cross conducted at the Vineland Research and Innovations Centre Inc. in 2012 between the female parent selection '60' and the male parent selection '564'. The parent varieties were developed at Agriculture and Agri-Food Canada, Morden Research Station in Manitoba and moved to Vineland Research Station in 2010 and 2011 respectively, prior to the initial cross which resulted in 'VLR002'. In 2014, seedlings of 'VLR002' were evaluated at Vineland Research Station based on flower colour, flower type, flower abundance, plant growth habit and disease tolerance. Plants were distributed to nine other locations across Canada in 2015 for further evaluation.

**Tests and Trials:** The comparative trial for 'VLR002' was conducted outdoors during the summer of 2018 at the Vineland Research and Innovations Centre Inc. located in Vineland Station, Ontario. The trial included 6 plants each of the candidate and reference variety. One year old plants of 'VLR002' and two year old plants of the reference variety, were transplanted into 11 litre containers in April 2018. Observations and measurements were taken from 6 plants, or parts of plants, of each variety on July 26, 2018. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

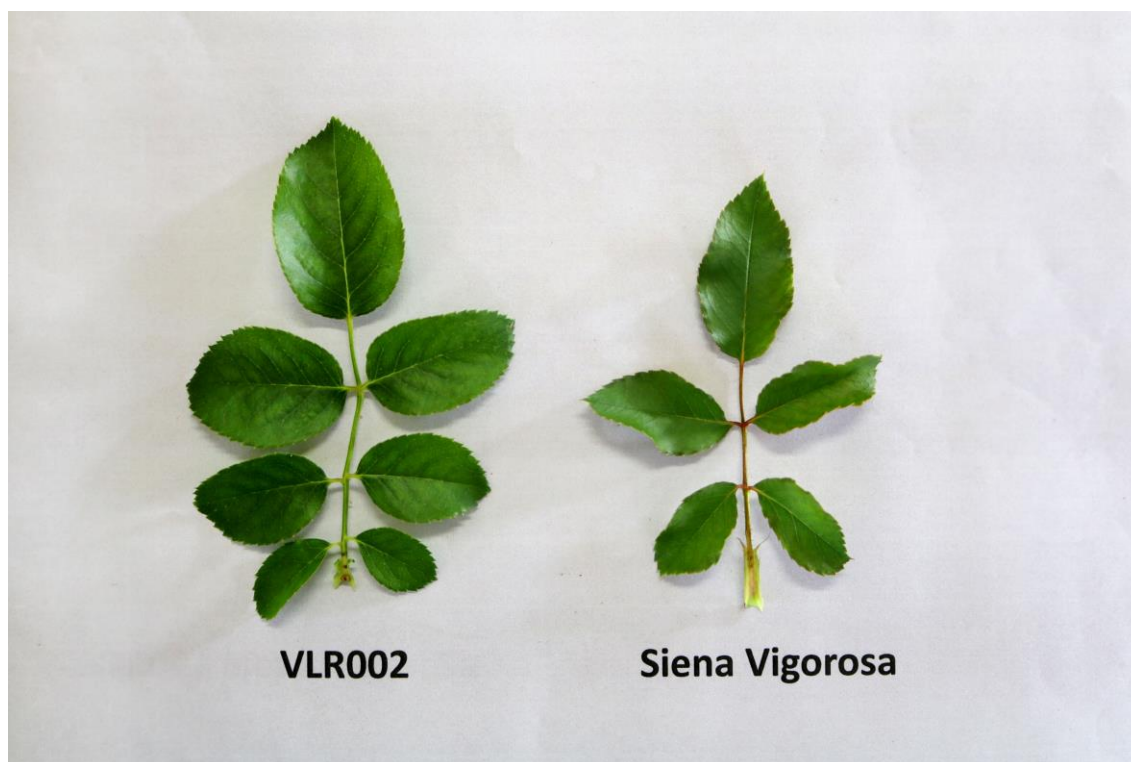
Comparison table for 'VLR002'

	'VLR002'	'Siena Vigorosa'*
<i>Number of petals</i>		
mean	18.6	22.8
std. deviation	1.44	1.4
<i>Petal length (cm)</i>		
mean	3.0	2.6
std. deviation	0.25	0.18
<i>Petal width (cm)</i>		
mean	2.6	2.0
std. deviation	0.19	0.21
<i>Colour of inner side of petal (RHS)</i>		
main	N57A	55B
secondary	N/A	23D at base

\*reference variety



Rose: 'VLR002' (right) with reference variety 'Siena Vigorosa' (left)



Rose: 'VLR002' (left) with reference variety 'Siena Vigorosa' (right)



Rose: 'VLR002' (left) with reference variety 'Siena Vigorosa' (right)