



## APPLICATIONS UNDER EXAMINATION

## PELARGONIUM

### PELARGONIUM (*Pelargonium*)

**Proposed denomination:** 'PEQZ0032'  
**Trade name:** Calliope L. Magenta  
**Application number:** 17-9174  
**Application date:** 2017/04/07  
**Applicant:** Syngenta Participations AG, Basel, Switzerland  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Mitchell Hanes, Syngenta Flowers, Inc., Gilroy, California, United States of America

**Variety used for comparison:** 'Calliope Medium Hot Pink'

**Summary:** *The upper side of the leaf blade of 'PEQZ0032' is light to medium green while the leaf blade of 'Calliope Medium Hot Pink' is medium green. The leaf blade margin of 'PEQZ0032' has a weak to medium degree of undulation while the leaf blade margin of 'Calliope Medium Hot Pink' has medium to strong undulation. The upper third of the pedicel of 'PEQZ0032' has a very strong intensity of anthocyanin colouration while the upper third of the pedicel of 'Calliope Medium Hot Pink' has a strong intensity of anthocyanin colouration. The colour of the margin on the upper side of the lower petal is purple red for 'PEQZ0032' while it is lighter purple red for 'Calliope Medium Hot Pink'.*

#### **Description:**

PLANT: semi-upright growth habit

STEM: green, absent or very weak intensity of anthocyanin colouration

LEAF BLADE: medium depth sinus, weak to medium undulation of margin, closed base developing to open with age, no variegation, light to medium green (zone excluded), weak conspicuousness of large zone positioned towards the margin

PEDUNCLE: weak to medium intensity of anthocyanin colouration of middle third

PEDICEL: very strong intensity of anthocyanin colouration of upper third

SEPAL: strong reflexing, weak to medium intensity of anthocyanin colouration of middle of broadest sepal

FLOWER: semi-double type, arrangement of upper petals in relation to lower petals is free to touching, average of 7-10 petals, cross-section in lateral view is concave, irregularly distributed stripes or blotches are absent

UPPER PETAL: spatulate, entire margin at apex, margin of upper side is purple red (darker than RHS N57A), middle of upper side is purple red (RHS 58C and N57A), lower side is dark pink red to red pink (RHS 52A-B) with purple red (RHS 58B) along margin, marking is stripes only, weak to medium conspicuousness of marking, small white zone at base

LOWER PETAL: margin of upper side is purple red (darker than RHS N57A), middle of upper side is purple red (closest to RHS N66A), lower side is purple red (RHS 58B), absent or very weak conspicuousness of marking

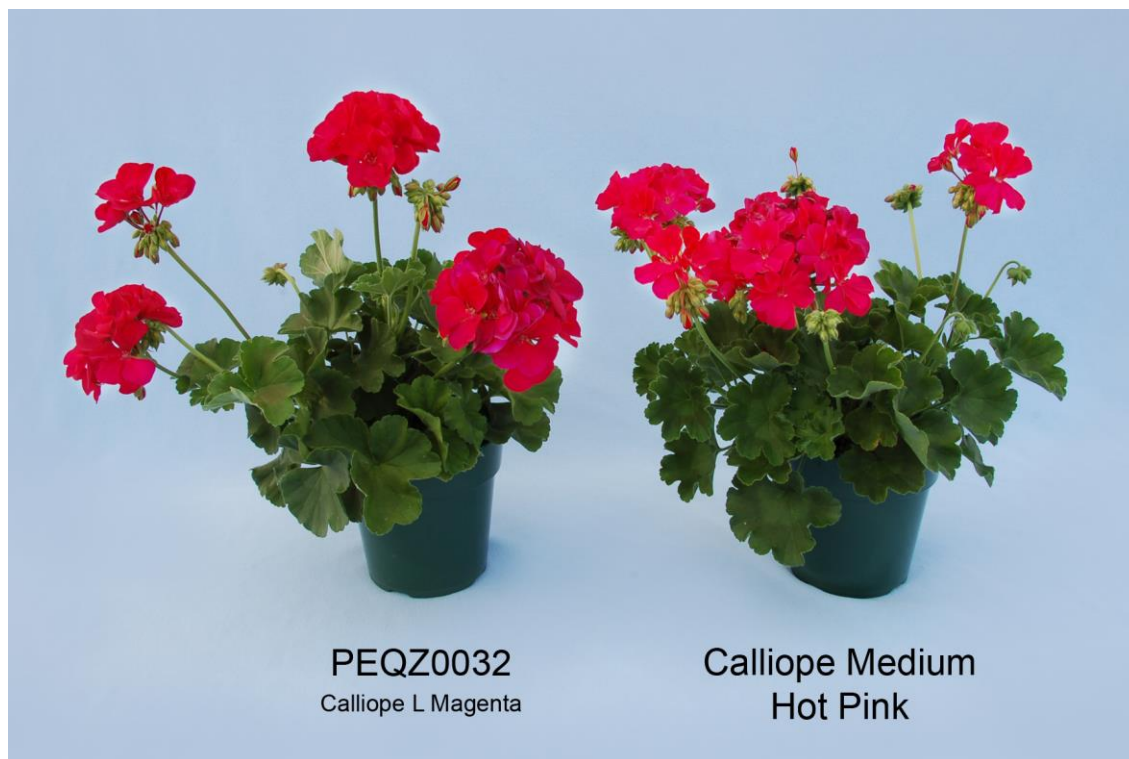
INNER PETAL: middle of upper side is purple red (RHS N66A)

**Origin and Breeding:** 'PEQZ0032' was bred and developed by the breeder, Mitchell Hanes, as part of a controlled breeding program. It originated from a cross pollination between two proprietary seedlings designated '11015-4', as the female parent, and '11024-6', as the male parent. This cross was conducted in Gilroy, California, United States in the fall of 2011. The resultant seed was collected and sown in a greenhouse in Gilroy in June 2012. In September 2012, a single seedling was selected based on its plant branching, vigorous plant growth and large flower size. This selection was named 'PEQZ0032'.

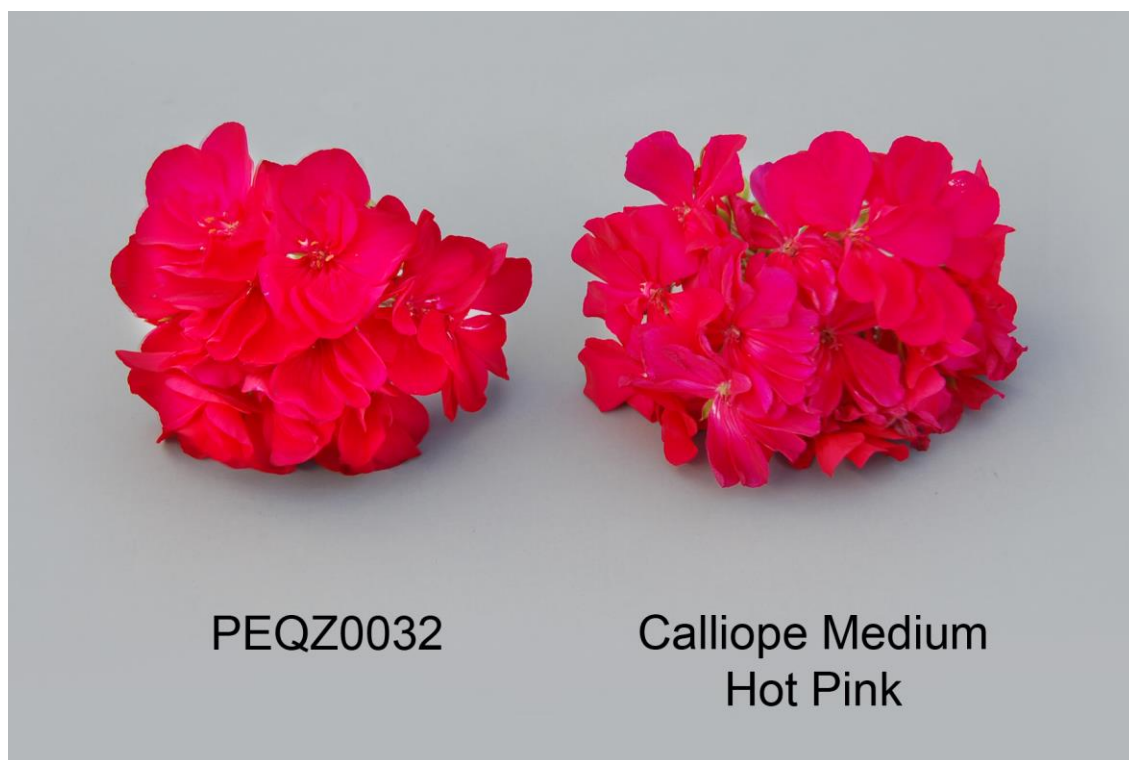
**Tests and Trials:** The comparative trial for 'PEQZ0032' was conducted in a polyhouse during the spring of 2018 at BioFlora Inc. in St. Thomas, Ontario. There were a total of 10 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 15 cm shallow pots on May 25, 2018. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on July 2, 2018. All colour determinations were made using the 2007 Royal Horticulture Society (RHS) Colour Chart.

Comparison table for 'PEQZ0032'

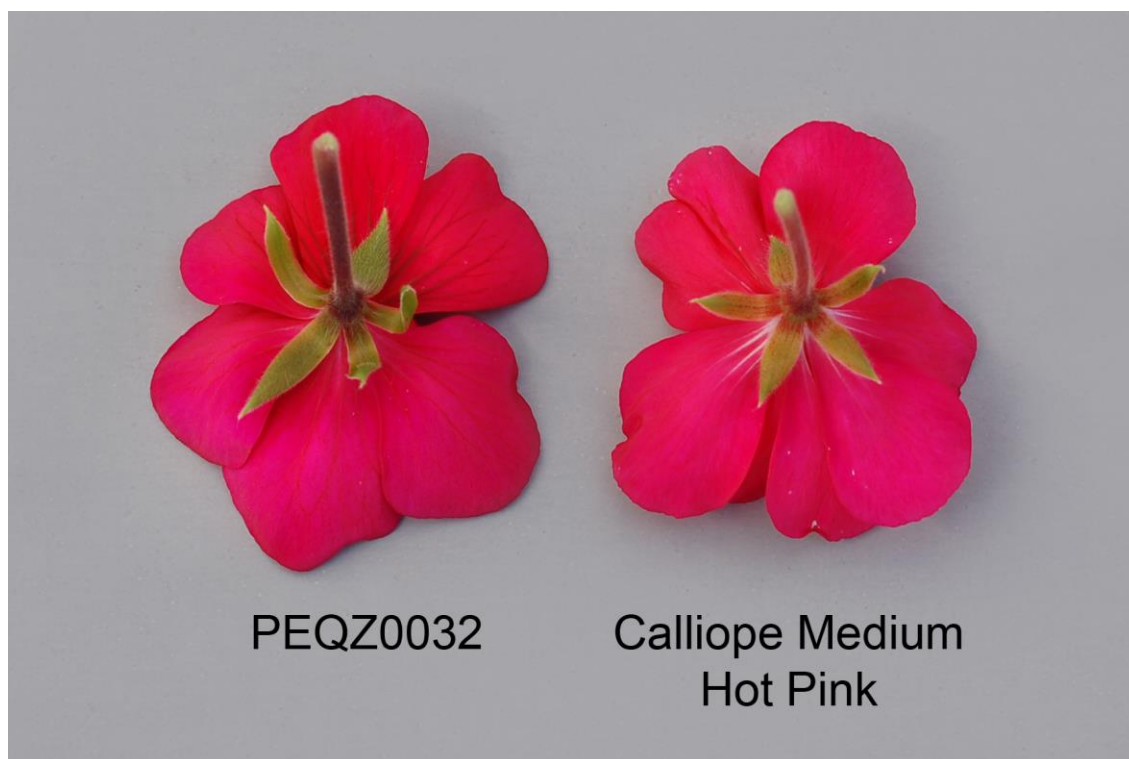
	'PEQZ0032'	'Calliope Medium Hot Pink**'
Colour of upper side of lower petal (RHS) margin	darker than N57A	N66A
*reference variety		



Pelargonium: 'PEQZ0032' (left) with reference variety 'Calliope Medium Hot Pink' (right)



Pelargonium: 'PEQZ0032' (left) with reference variety 'Calliope Medium Hot Pink' (right)



Pelargonium: 'PEQZ0032' (left) with reference variety 'Calliope Medium Hot Pink' (right)