



**PELARGONIUM**  
*(Pelargonium)*

**Proposed denomination:** 'PEQZ0049'  
**Application number:** 20-10371  
**Application date:** 2020/10/22  
**Applicant:** Syngenta Crop Protection AG, Basel, Switzerland  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Mitchell Hanes, Syngenta Flowers, Inc., Gilroy, California, United States of America

**Description:**

**PLANT:** semi-upright growth habit, medium foliage height, medium width  
**STEM:** green, absent or very weak intensity of anthocyanin colouration

**LEAF BLADE:** medium to long, medium width, medium depth of sinus, weak to medium degree of undulation of margin, slightly open base, no variegation, medium green on upper side

**LEAF ZONE:** absent or very weak conspicuousness

**PEDUNCLE:** medium length, very weak to weak intensity of anthocyanin colouration of middle third

**INFLORESCENCE:** short to medium height, medium width, medium number of open flowers, long to very long largest flower, broad to very broad largest flower

**PEDICEL:** longest pedicel is short to medium length, weak intensity of anthocyanin colouration of upper third, no swelling

**SEPAL:** absent or weak reflexing, absent or very weak intensity of anthocyanin colouration at middle of broadest sepal

**FLOWER:** double type, few to medium number of petals, flat cross-section in lateral view, no irregularly distributed stripes or blotches

**UPPER PETAL:** broad to very broad, spatulate, entire margin at apex

**UPPER PETAL (INNER SIDE):** margin and middle is red pink (more blue than RHS 52A), weak to medium conspicuousness of stripes and spot/spots, largest spot is medium to large, dark red (lighter than RHS 45B) spot, no zone at base

**UPPER PETAL (OUTER SIDE):** red pink (more blue than RHS 43C)

**LOWER PETAL (INNER SIDE):** margin is medium purple red (more red than RHS 58B), middle is red pink (more blue than RHS 52A), weak to medium conspicuousness of stripes and spot/spots, largest spot is medium sized, no zone at base

**LOWER PETAL (OUTER SIDE):** red pink (lighter than RHS 50B)

**INNER PETAL (INNER SIDE):** middle is red pink (RHS 52A)

**Origin and Breeding:** 'PEQZ0049' originated from a controlled cross conducted by the breeder, Mitchell Hanes, in Gilroy, California, USA in September 2011. The cross was made between the female parent, a proprietary seedling designated as '10817-4', and the male parent, a proprietary seedling designated as '11063-1'. The resultant seed was sown in February 2012. A single unique seedling was selected in May 2012 based on plant habit, flowering time, flower type, flower colour and tolerance to heat and drought.

**Tests and Trials:** The detailed description of 'PEQZ0049' is based on the UPOV report of Technical Examination, application number PEL 2870, purchased from the Bundessortenamt, Hannover, Germany where the trials were conducted in 2020. Colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



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**Proposed denomination:** 'PEQZ0053'  
**Application number:** 20-10376  
**Application date:** 2020/10/23  
**Applicant:** Syngenta Crop Protection AG, Basel, Switzerland  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Mitchell Hanes, Syngenta Flowers, Inc., Gilroy, California, United States of America

**Description:**

**PLANT:** semi-upright growth habit, medium foliage height, medium to broad  
**STEM:** green, absent or very weak intensity of anthocyanin colouration

**LEAF BLADE:** medium to long, medium to broad, shallow to medium depth of sinus, weak to medium degree of undulation of margin, slightly open to closed base, no variegation, medium green on upper side

**LEAF ZONE:** absent or very weak conspicuousness

**PEDUNCLE:** medium to long, absent or very weak intensity of anthocyanin colouration of middle third

**INFLORESCENCE:** medium height, medium to broad, many open flowers, largest flower is long, largest flower is broad

**PEDICEL:** longest pedicel is medium length, weak intensity of anthocyanin colouration of upper third, no swelling

**SEPAL:** absent or weak reflexing, weak intensity of anthocyanin colouration at middle of broadest sepal

FLOWER: double type, medium number of petals, flat cross-section in lateral view, no irregularly distributed stripes or blotches

UPPER PETAL: medium to broad, spatulate, entire margin at apex

UPPER PETAL (INNER SIDE): margin is medium purple red (more red than RHS N57A), middle is medium purple red (lighter and more red than RHS N57A), very weak to weak conspicuousness of stripes and spot/spots, largest spot is very small to small, no zone at base

UPPER PETAL (OUTER SIDE): red pink (RHS 52B)

LOWER PETAL (INNER SIDE): margin is medium purple red (RHS N57A), middle is medium purple red (lighter than RHS N57A), absent or weak conspicuousness of markings, very small white zone at base

LOWER PETAL (OUTER SIDE): medium purple red (more red than RHS 58C)

INNER PETAL (INNER SIDE): middle is medium purple red (lighter and more red than RHS N57A)

**Origin and Breeding:** ‘PEQZ0053’ originated from a controlled cross conducted by the breeder, Mitchell Hanes, in Gilroy, California, USA in September 2009. The cross was made between the female parent, a proprietary seedling designated as ‘10902-5’, and the male parent, a proprietary seedling designated as ‘10951-1’. The resultant seed was sown in February 2010. A single unique seedling was selected in June 2010 based on plant growth habit, foliage colour, inflorescence size, flower type, flower colour and tolerance to heat and drought.

**Tests and Trials:** The detailed description of ‘PEQZ0053’ is based on the UPOV report of Technical Examination, application number PEL 2871, purchased from the Bundessortenamt, Hannover, Germany where the trials were conducted in 2020. Colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



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**PELARGONIUM***(Pelargonium ×hortorum x P. peltatum)*

**Proposed denomination:** 'PEQZ0037'  
**Application number:** 18-9593  
**Application date:** 2018/07/27  
**Applicant:** Syngenta Participations AG, Basel, Switzerland  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Ronald Snijder, Syngenta Seeds B.V., Enkhuizen, Netherlands

**Description:**

**PLANT:** upright growth habit, medium foliage height, narrow to medium width

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

**LEAF BLADE:** medium length, medium width, medium to deep sinus, medium to strong undulation of margin, closed base, no variegation, dark green on upper side

**LEAF ZONE:** medium conspicuousness, small to medium size, positioned in middle

**PEDUNCLE:** medium length, absent or very weak intensity of anthocyanin colouration of middle third

**INFLORESCENCE:** medium height, medium width, medium to many open flowers, medium to long largest flower, medium to broad largest flower

**PEDICEL:** longest pedicel is short to medium length, very strong intensity of anthocyanin colouration of upper third, no swelling

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

**FLOWER:** double type, medium number of petals, flat cross-section in lateral view, no irregularly distributed stripes or blotches

**UPPER PETAL:** broad, spatulate, entire margin at apex

**UPPER PETAL (INNER SIDE):** margin and middle is dark red (more blue than RHS 45B), weak to medium conspicuousness of stripes only, small to medium sized light violet zone at base

**UPPER PETAL (OUTER SIDE):** medium purple red (more red than RHS N57B)

**LOWER PETAL (INNER SIDE):** margin and middle is dark purple red (RHS 53A), absent or very weak conspicuousness of markings, no zone at base

**LOWER PETAL (OUTER SIDE):** medium purple red (RHS N57B)

**INNER PETAL (INNER SIDE):** middle is dark purple red (RHS 53A)

**Origin and Breeding:** 'PEQZ0037' originated from a controlled cross conducted by the breeder, Ronald Snijder, in Enkhuizen, the Netherlands in February 2013. The cross was made between the female parent, a proprietary seedling designated as '10972-2', and the male parent, a proprietary seedling designated as 'PEZ-AY0450-04'. The resultant seed was sown in January 2014. A single unique seedling was selected in June 2014 based on plant growth habit, branching characteristics, flower colour, flower appearance and tolerance to heat and drought.

**Tests and Trials:** The detailed description of 'PEQZ0037' is based on the UPOV report of Technical Examination, application number PEL 2786, purchased from the Bundessortenamt, Hannover, Germany where the trials were conducted in 2019. Colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



Pelargonium: 'PEQZ0037'



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