



APPLICATIONS UNDER EXAMINATION

PELARGONIUM

PELARGONIUM (*Pelargonium ×hortorum*)

Proposed denomination: 'KLEPZ17154'
Application number: 18-9514
Application date: 2018/05/31
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Martin Glawe, Stuttgart, Germany

Variety used for comparison: 'Toscabernd'

Summary: *The plant of 'KLEPZ17154' has short to medium height foliage whereas the plant of 'Toscabernd' has tall foliage. The anthocyanin colouration on the stem of 'KLEPZ17154' is absent or very weak whereas the anthocyanin colouration on the stem of 'Toscabernd' is medium intensity. The leaf blade of 'KLEPZ17154' is short to medium length whereas the leaf blade of 'Toscabernd' is medium to long. The middle third of the peduncle of 'KLEPZ17154' has a medium intensity of anthocyanin colouration whereas that of 'Toscabernd' has strong to very strong anthocyanin colouration. The middle of the broadest sepal of 'KLEPZ17154' has strong anthocyanin colouration whereas the sepal of 'Toscabernd' has a weak to medium intensity of anthocyanin colouration. The margin and middle of the inner side of the lower petal of 'KLEPZ17154' is dark red whereas that of 'Toscabernd' is a slightly different dark red.*

Description:

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

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

LEAF BLADE: short to medium length, medium width, shallow to medium depth sinus, weak to medium undulation of margin, slightly opened to closed base, no variegation, dark green on upper side

LEAF ZONE: medium conspicuousness, small, positioned in middle

PEDUNCLE: medium length, medium intensity of anthocyanin colouration of middle third

INFLORESCENCE: medium height, medium width, medium to many open flowers, short to medium length of largest flower, medium width of largest flower

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

SEPAL: moderate reflexing, strong 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 and middle is dark red (RHS 45B), absent or very weak conspicuousness of stripes only, small sized orange red zone at base

UPPER PETAL (OUTER SIDE): medium red (RHS 46C)

LOWER PETAL (INNER SIDE): margin is dark red (RHS 45B), middle is dark red (more blue than RHS 45B), absent or very weak conspicuousness of markings, very small white zone at base

LOWER PETAL (OUTER SIDE): red pink (RHS 53C)

INNER PETAL (INNER SIDE): middle is dark red (RHS 45B)

Origin and Breeding: 'KLEPZ17154' originated from a controlled cross conducted by the breeder, Martin Glawe, in Stuttgart, Germany, in August 2012. The cross was made between the female parent variety 'Sunrise Juan' and the male parent variety 'SIL Magnus'. The resultant seedlings were selected in June 2013, in Stuttgart, Germany, based on plant growth habit, flowering time, flower colour, colour pattern stability, overall plant health and vigour. The selected seedlings were evaluated in numerous greenhouse trials from 2014 to 2017. A single seedling was finally selected for commercialization and named 'KLEPZ17154' in May 2017.

Tests and Trials: The detailed description of 'KLEPZ17154' is based on the UPOV report of Technical Examination, application number PEL 2768, purchased from the Bundessortenamt, Hannover, Germany where the trials were conducted in 2018. Colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'KLEPZ17154'

	'KLEPZ17154'	'Toscabernd'*
Colour of inner side of lower petal (RHS)		
margin	45B	N45A
middle	45B	N45A

*reference variety



Pelargonium: 'KLEPZ17154'

Proposed denomination: 'KLEPZ17435'
Application number: 18-9515
Application date: 2018/05/31
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Martin Glawe, Stuttgart, Germany

Variety used for comparison: 'KLEPZ10271'

Summary: *The leaf blade of 'KLEPZ17435' is long whereas the leaf blade of 'KLEPZ10271' is medium length. The flower of 'KLEPZ17435' has few petals whereas the flower of 'KLEPZ10271' has a medium number of petals.*

Description:

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

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

LEAF ZONE: absent or very weak conspicuousness

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

INFLORESCENCE: medium height, narrow to medium width, medium number of open flowers, medium length of largest flower, medium to broad width of largest flower

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

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

FLOWER: double type, few 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 and middle is white (RHS NN155D), absent or very weak conspicuousness of markings, no zone at base

UPPER PETAL (OUTER SIDE): white (RHS NN155B)

LOWER PETAL (INNER SIDE): margin and middle is white (RHS NN155D), absent or very weak conspicuousness of markings, no zone at base

LOWER PETAL (OUTER SIDE): white (RHS NN155B)

INNER PETAL (INNER SIDE): middle is white (RHS NN155D)

Origin and Breeding: ‘KLEPZ17435’ originated from a controlled cross conducted by the breeder, Martin Glawe, in Stuttgart, Germany, in August 2011. The cross was made between the female parent variety ‘Sunrise Cassandra’ and the male parent variety ‘Sunrise Paloma’. The resultant seedlings were selected in June 2012, in Stuttgart, Germany, based on plant growth habit, flowering time, flower colour, colour pattern stability, overall plant health and vigour. The selected seedlings were evaluated in numerous greenhouse trials from 2013 to 2017. A single seedling was finally selected for commercialization and named ‘KLEPZ17435’ in May 2017.

Tests and Trials: The detailed description of ‘KLEPZ17435’ is based on the UPOV report of Technical Examination, application number PEL 2771, purchased from the Bundessortenamt, Hannover, Germany where the trials were conducted in 2018. Colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



Pelargonium: ‘KLEPZ17435’