



APPLICATIONS UNDER EXAMINATION

DIANTHUS

DIANTHUS (*Dianthus*)

Proposed denomination: 'KLEDG18267'
Application number: 18-9430
Application date: 2018/04/27
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Lena Gutbrodt, Bempflingen, Germany

Description:

PLANT: pot plant type, pink purple main colour group, dark red secondary colour group, short, medium density, flowers positioned moderately above foliage

STEM: very short to short internode, thin internode, slightly angular in cross-section, not hollow

LEAF BLADE: elliptic, short to medium length, narrow, weakly recurved along longitudinal axis, flat or very weakly concave in cross-section, medium green upper side, medium degree of glaucosity, no spiny ciliation of margin

FLOWER BUD: oblong, no extrusion of styles

EPICALYX (OUTER LOBES): adpressed and free in relation to calyx, acute apex, medium length tip

EPICALYX (INNER LOBES): short acuminate apex, medium length tip

CALYX: short, very narrow to narrow, cylindrical

CALYX LOBE: acute apex, short to medium length, straight along longitudinal axis, medium intensity of anthocyanin colouration along margin

FLOWER: small diameter, double type, very few to few petals

COROLLA: short, profile of upper part is convex in lateral view, profile of lower part is flat convex in lateral view

PETAL: predominantly type 3 shape, absent or weak degree of undulation, short, narrow, mainly purple (RHS 67A), large dark purple red (RHS 59A) macule, no differently coloured margin, no stripes, no speckles, no flush

PETAL MARGIN INCISIONS: crenate, medium number, shallow to medium depth

OVARY: obovate, green base, slightly ribbed surface

STYLE: only two, short, no shoulder

STIGMA: white with purple flush

Origin and Breeding: 'KLEDG18267' originated from a cross conducted by the breeder, Lena Gutbrodt, in Stuttgart, Germany in June of 2013. The cross was made between the female parent, proprietary variety DCP-2007-0138, and the male parent, proprietary variety DSS-2011-0099. A single seedling was selected in July 2014, in Stuttgart, based on plant growth habit and flower colour. The new variety 'KLEDG18267' was evaluated in greenhouse trials in Stuttgart from September 2014 to April 2015 and assessed for flower colour and flowering habit.

Tests and Trials: The detailed description of 'KLEDG18267' is based on the UPOV Report of Technical Examination, application number 2018/1127, purchased from the Community Plant Variety Office, in Angers, France. The trials were conducted by the Naktuinbouw, in Roelofarendsveen, Netherlands in 2019. The colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



Dianthus: 'KLEDG18267'

Proposed denomination: 'KLEDG18274'
Application number: 18-9431
Application date: 2018/04/27
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Lena Gutbrodt, Bempflingen, Germany

Description:

PLANT: pot plant type, pink purple main colour group, dark red secondary colour group, short, medium density, flowers positioned moderately above foliage

STEM: very short internode, thin internode, strongly angular in cross-section, not hollow

LEAF BLADE: obovate, short, narrow, absent or weakly recurved along longitudinal axis, flat or very weakly concave in cross-section, medium green upper side, strong degree of glaucosity, no spiny ciliation of margin

FLOWER BUD: oblong, no extrusion of styles

EPICALYX (OUTER LOBES): free in relation to calyx, acute apex, long tip

EPICALYX (INNER LOBES): acute apex, medium length tip

CALYX: medium length, very narrow to narrow, cylindrical

CALYX LOBE: acuminate apex, short to medium length, straight along longitudinal axis, medium intensity of anthocyanin colouration

FLOWER: small diameter, double type, very few petals

COROLLA: very short to short, profile of upper part is flat convex in lateral view, profile of lower part is concave in lateral view

PETAL: predominantly type 3 shape, absent or weak undulation, very short to short, narrow, mainly purple (RHS N74B), dark purple red (RHS 59A) narrow margin and large macule, no stripes, no speckles, no flush

PETAL MARGIN INCISIONS: crenate and dentate, absent or few, very shallow

OVARY: oblong, green base, smooth surface

STYLE: only two, medium length, no shoulder

STIGMA: purple

Origin and Breeding: 'KLEDG18274' originated from a cross conducted by the breeder, Lena Gutbrodt, in Stuttgart, Germany in July of 2013. The cross was made between the female parent, proprietary variety DSS-2011-0087, and an unknown male parent. A single seedling was selected in July 2014, in Stuttgart, based on plant growth habit, flower colour and flower

abundance. The new variety 'KLEDG18274' was evaluated in greenhouse trials in Stuttgart from September 2014 to April 2015 and assessed for plant growth habit, flower colour and flower abundance.

Tests and Trials: The detailed description of 'KLEDG18274' is based on the UPOV Report of Technical Examination, application number 2018/1128, purchased from the Community Plant Variety Office, in Angers, France. The trials were conducted by the Naktuinbouw, in Roelofarendsveen, Netherlands in 2019. The colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



Dianthus: 'KLEDG18274'

Proposed denomination: 'KLEDG18305'
Application number: 18-9432
Application date: 2018/04/27
Applicant: Klemm & Sohn GmbH & Co. KG, Stuttgart, Germany
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Lena Gutbrodt, Bempflingen, Germany

Description:

PLANT: pot plant type, pink main colour group, medium red secondary colour group, short, dense, flowers positioned moderately above foliage

STEM: short internode, thin internode, slightly angular in cross-section, not hollow

LEAF BLADE: obovate, medium length, narrow to medium width, absent or weakly recurved along longitudinal axis, flat or very weakly concave in cross-section, medium green upper side, medium degree of glaucosity, no spiny ciliation of margin

FLOWER BUD: oblong, no extrusion of styles

EPICALYX (OUTER LOBES): free in relation to calyx, acute apex, long tip

EPICALYX (INNER LOBES): acute apex, medium length tip

CALYX: short, very narrow to narrow, cylindrical

CALYX LOBE: acute to acuminate apex, medium length, concave along longitudinal axis, absent or very weak intensity of anthocyanin colouration along margin

FLOWER: small diameter, single type

COROLLA: very short to short, profile of upper part is concave in lateral view, profile of lower part is flat in lateral view

PETAL: predominantly type 3 shape, medium degree of undulation, very short to short, narrow, mainly purple red (RHS 55B), large red (RHS 46C) macule, no different coloured margin, no stripes, no speckles, no flush

PETAL MARGIN INCISIONS: crenate, absent or few, very shallow to shallow

OVARY: oblong, green base, smooth surface

STYLE: only two, short, no shoulder

STIGMA: white with red flush

Origin and Breeding: ‘KLEDG18305’ originated from a cross conducted by the breeder, Lena Gutbrodt, in Stuttgart, Germany in June of 2014. The cross was made between the female parent, proprietary variety DSU-2013-0017, and an unknown male parent. A single seedling was selected in July 2015, in Stuttgart, based on plant growth habit, flower colour and flower longevity. The new variety ‘KLEDG18305’ was evaluated in greenhouse trials in Stuttgart from September 2015 to April 2016 and assessed for flower colour and flowering habit.

Tests and Trials: The detailed description of ‘KLEDG18305’ is based on the UPOV Report of Technical Examination, application number 2018/1220, purchased from the Community Plant Variety Office, in Angers, France. The trials were conducted by the Naktuinbouw, in Roelofarendsveen, Netherlands in 2019. The colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.



Dianthus: ‘KLEDG18305’