

COMMUNITY PLANT VARIETY OFFICE
CPVO Variety Description (Annex 10 of Designation Agreement)
Descripción de Variedad OCVV

- | | |
|---|--|
| 1. Reference number of reporting authority: <i>Número de referencia de la Autoridad Informante:</i> | 20180131 |
| 2. Reference number of requesting authority: <i>Número de Referencia de la Autoridad Solicitante:</i> | 20181030 |
| 3. Breeder's reference: <i>Referencia del Obtentor:</i> | RED LINA |
| 4. Applicant (name and address): <i>Solicitante (nombre y dirección):</i> | Glenam Knott Glen Muir Farm P.O. Box 961 ZA - Fort Beaufort 5720 SOUTH AFRICA |
| <hr/> | |
| 5. Botanical name of taxon: <i>Nombre botánico del taxon:</i> | <i>Citrus sinensis</i> (L.) Osbeck |
| 6. Common name of taxon: <i>Nombre común del taxon:</i> | Orange <i>Naranja</i> |
| 7. Variety denomination: <i>Denominación de la Variedad:</i> | RED LINA |
| 8. Date and/or document number of Test Guideline/technical protocol: <i>Fecha y/o número de documento de la Guía de Examen / Protocolo Técnico:</i> | CPVO TP/202/1 18/11/2004 |
| 9. Testing authority: <i>Autoridad responsable del examen:</i> | OFICINA ESPAÑOLA DE VARIEDADES VEGETALES (OEVV) |
| 10. Testing station(s) and place(s): <i>Estación/es y lugar/es del examen:</i> | Instituto Valenciano de Investigaciones Agrarias (IVIA) Ctra. Moncada-Náquera Km 4,5 43113 Moncada, Valencia, España |
| 11. Period of testing: <i>Periodo de realización del examen:</i> | 2018 – 2023 |
| 12. Date and place of issue of document: <i>Fecha y lugar de emisión del documento:</i> | 20/12/2022 Moncada (Valencia) SPAIN |

13. Group (if characteristics of number 15 are used for grouping they are marked with a G in that number):
Grupo (si los caracteres del apartado 15 son utilizadas para el agrupamiento son identificadas con una G en dicho apartado):

14. Characteristics included in the UPOV Test Guidelines or national Test Guidelines:
Caracteres incluidos en las Guías de Examen de UPOV o los Protocolos Nacionales de Examen:

| CPVO | UPOV | Characteristics | State of Expression | Note | Remarks |
|----------|------|---|-------------------------|------------|---------------|
| | | Caracteres | Nivel de expresión | Nota | Observaciones |
| 1 | 1 | Ploidy | diploid | 2 | |
| | QL | Ploidía | diploide | | |
| 2 | 2 | Tree: growth habit | spreading | 2 | |
| | PQ | Árbol: porte | abierto | | |
| 3 | 3 | Tree: density of spines | absent or sparse | 1 | |
| | QN | Árbol: presencia de espinas | nula o escasa | | |
| 4 | 4 | Tree: length of spines | N/A | N/A | |
| | QN | Árbol: longitud de las espinas | | | |
| 5 | 5 | Leaf blade: length (apical leaflet in case of compound leaf) | short to medium | 4 | |
| | QN | Limbo: longitud (foliolo apical en caso de hoja compuesta) | corto a medio | | |
| 6 | 6 | Leaf blade: width (apical leaflet in case of compound leaf) | narrow | 3 | |
| | QN | Limbo: anchura (foliolo apical en caso de hoja compuesta) | estrecho | | |
| 7 | 7 | Leaf blade: ratio length/width (apical leaflet in case of compound leaf) | medium | 5 | |
| | QN | Limbo: relación longitud/anchura (foliolo apical en caso de hoja compuesta) | media | | |

| CPVO | UPOV | Characteristics | State of Expression | Note | Remarks |
|-----------|------|---|-----------------------|------------|---------------|
| | | Caracteres | Nivel de expresión | Nota | Observaciones |
| 8 | 8 | Leaf blade: shape in cross section (apical leaflet in case of compound leaf) | intermediate | 2 | |
| | QN | Limbo: forma de la sección transversal (foliolo apical en caso de hoja compuesta) | intermedia | | |
| 9 | 9 | Leaf blade: twisting | absent or weak | 1 | |
| | QN | Limbo: torsión | ausente o débil | | |
| 10 | 10 | Leaf blade: blistering | absent or weak | 1 | |
| | QN | Limbo: ampollado | ausente o débil | | |
| 11 | 11 | Leaf blade: green color | dark | 7 | |
| | QN | Limbo: color verde | oscuro | | |
| 12 | 12 | Leaf blade: undulation of margin | absent or weak | 1 | |
| | QN | Limbo: ondulación del borde | ausente o débil | | |
| 13 | 13 | Leaf blade: incisions of margin | crenate | 2 | |
| | PQ | Limbo: incisiones del borde | festoneadas | | |
| 14 | 14 | Leaf blade: shape of apex | acuminate | 1 | |
| | PQ | Limbo: forma del ápice | acuminado | | |
| 15 | 15 | Leaf blade: emargination at tip | present | 9 | |
| | QL | Limbo: emarginado en la parte superior | presente | | |
| 16 | 16 | Petiole: length | medium | 5 | |
| | QN | Pecíolo: longitud | medio | | |
| 17 | 17 | Petiole: presence of wings | absent | 1 | |
| | QL | Pecíolo: presencia de alas | ausentes | | |
| 18 | 18 | <u>Varieties with petiole wings present only:</u> Petiole: width of wings | N/A | N/A | |
| | QN | <u>Sólo variedades con alas presentes en el pecíolo:</u> Pecíolo: anchura de las alas | | | |

| CPVO | UPOV | Characteristics | State of Expression | Note | Remarks |
|-----------|------|---|------------------------|----------|---------------|
| | | Caracteres | Nivel de expresión | Nota | Observaciones |
| 19 | 19 | Flower: diameter of calyx | medium | 5 | |
| | QN | Flor: diámetro del cáliz | medio | | |
| 20 | 20 | Flower: length of petal | medium | 5 | |
| | QN | Flor: longitud del pétalo | medio | | |
| 21 | 21 | Flower: width of petal | medium to broad | 6 | |
| | QN | Flor: anchura del pétalo | medio a ancho | | |
| 22 | 22 | Flower: ratio length/ width of petal | medium | 5 | |
| | QN | Flor: relación longitud/anchura del pétalo | media | | |
| 23 | 23 | Flower: length of stamens | medium | 5 | |
| | QN | Flor: longitud de los estambres | medios | | |
| 24 | 24 | Flower: basal union of stamens | absent | 1 | |
| | QL | Flor: unión basal de los estambres | ausente | | |
| 25 | 25 | Anther: color | white | 1 | |
| | PQ | Antera: color | blanco | | |
| 26 | 26 | Anther: viable pollen | absent | 1 | |
| | QL | Antera: polen viable | ausente | | |
| 27 | 27 | Style: length | medium to long | 6 | |
| | QN | Estilo: longitud | medio a largo | | |
| 28 | 28 | Style: shape | straight | 1 | |
| | PQ | Estilo: forma | recto | | |
| 29 | 29 | Fruit: length | medium | 5 | |
| G | QN | Fruto: longitud | medio | | |
| 30 | 30 | Fruit: diameter | medium to large | 6 | |
| G | QN | Fruto: diámetro | medio a grande | | |

| CPVO | UPOV | Characteristics | State of Expression | Note | Remarks |
|-----------|------|--|-------------------------|------------|---------------|
| | | Caracteres | Nivel de expresión | Nota | Observaciones |
| 31 | 31 | Fruit: ratio length/diameter | small to medium | 4 | |
| | QN | Fruto: relación longitud/diámetro | pequeña a media | | |
| 32 | 32 | Fruit: position of broadest part | at middle | 2 | |
| | QN | Fruto: posición de la parte más ancha | en el medio | | |
| 33 | 33 | Fruit: general shape of proximal part (excluding neck, collar and depression at stalk end) | slightly rounded | 2 | |
| | PQ | Fruto: forma general de la zona peduncular (excluidos el cuello, el collar y la depresión del extremo peduncular) | ligeramente redondeada | | |
| 34 | 34 | <u>Only varieties without fruit neck:</u> Fruit: presence of depression at stalk end | absent | 1 | |
| | QL | <u>Sólo variedades con fruto sin cuello:</u> Fruto: presencia de una depresión en el extremo peduncular | ausente | | |
| 35 | 35 | <u>Only varieties without fruit neck:</u> Fruit: depth of depression at stalk end | N/A | N/A | |
| | QN | <u>Sólo variedades con fruto sin cuello:</u> Fruto: profundidad de la depresión en el extremo peduncular | | | |
| 36 | 36 | Fruit: number of radial grooves at stalk end | intermediate | 2 | |
| | QN | Fruto: número de acanaladuras radiales en el extremo peduncular | medio | | |
| 37 | 37 | Fruit: length of radial grooves at stalk end | short | 3 | |
| | QN | Fruto: longitud de las acanaladuras radiales en el extremo peduncular | cortas | | |
| 38 | 38 | Fruit: presence of collar | absent | 1 | |
| | QL | Fruto: presencia de un collar | ausente | | |
| 39 | 39 | Fruit: general shape of distal part (excluding nipple, bulging of navel and depression at distal end) | slightly rounded | 2 | |
| | QN | Fruto: forma general de la zona estilar (excluidos el mamelón o pezón, el abultamiento del ombligo y la depresión en el extremo estilar) | ligeramente redondeada | | |

| CPVO | UPOV | Characteristics | State of Expression | Note | Remarks |
|-----------|------|--|-----------------------|------------|---------------|
| | | Caracteres | Nivel de expresión | Nota | Observaciones |
| 40 | 40 | Fruit: presence of depression at distal end | absent | 1 | |
| | QL | Fruto: presencia de una depresión en el extremo estilar | ausente | | |
| 41 | 41 | Fruit: presence of areola | absent | 1 | |
| | QL | Fruto: presencia de areola | ausente | | |
| 42 | 42 | Fruit: type of areola | N/A | N/A | |
| | QN | Fruto: tipo de areola | | | |
| 43 | 43 | Fruit: diameter of areola | N/A | N/A | |
| | QN | Fruto: diámetro de la areola | | | |
| 44 | 44 | Fruit: diameter of stylar scar | N/A | N/A | |
| | QN | Fruto: diámetro de la cicatriz estilar | | | |
| 45 | 45 | Fruit: persistence of style | none | 1 | |
| | PQ | Fruto: persistencia del estilo | ninguna | | |
| 46 | 46 | Fruit: presence of navel opening | always present | 3 | |
| | PQ | Fruto: presencia de ombligo (externamente) | siempre presente | | |
| 47 | 47 | Fruit: diameter of navel opening | small | 3 | |
| | QN | Fruto: diámetro de la apertura ombligo | pequeño | | |
| 48 | 48 | Fruit: bulging of navel | absent or weak | 1 | |
| | QL | Fruto: abultamiento del ombligo | ausente o débil | | |
| 49 | 49 | Fruit: presence of radial grooves at distal end | absent | 1 | |
| | QL | Fruto: presencia de acanaladuras radiales en el extremo distal | ausentes | | |
| 50 | 50 | Fruit: color variegation | absent | 1 | |
| | QL | Fruto: variegación del color | ausente | | |
| 51 | 51 | Fruit surface: predominant color(s) | dark orange | 3 | |
| G | PQ | Superficie del fruto: color(es) predominante(s) | naranja oscuro | | |

| CPVO | UPOV | Characteristics | State of Expression | Note | Remarks |
|-----------|------|--|---------------------------------------|----------|---------------|
| | | Caracteres | Nivel de expresión | Nota | Observaciones |
| 52 | 52 | Fruit surface: roughness | medium | 5 | |
| | QN | Superficie del fruto: rugosidad | media | | |
| 53 | 53 | Fruit surface: size of oil glands | all more or less the same size | 1 | |
| | PQ | Superficie del fruto: tamaño de las glándulas de aceite | todas más o menos del mismo tamaño | | |
| 54 | 54 | Fruit surface: size of larger oil glands | small | 3 | |
| | QN | Superficie del fruto: tamaño de las glándulas de aceite más grandes | pequeñas | | |
| 55 | 55 | Fruit surface: conspicuousness of larger oil glands | medium | 5 | |
| | QN | Superficie del fruto: visibilidad de las glándulas de aceite más grandes | media | | |
| 56 | 56 | Fruit surface: presence of pitting and pebbling on oil glands | pitting and pebbling present | 4 | |
| | PQ | Superficie del fruto: presencia de picado y granulado en las glándulas de aceite | salientes y hundidas | | |
| 57 | 60 | Fruit rind: thickness | medium | 5 | |
| | QN | Corteza del fruto: espesor | media | | |
| 58 | 61 | Fruit rind: strength | medium | 5 | |
| | QN | Corteza del fruto: consistencia | media | | |
| 59 | 62 | Fruit: color of albedo | white | 2 | |
| | PQ | Fruto: color del albedo | blanco | | |
| 60 | 63 | Fruit: differently colored specks in flesh | absent | 1 | |
| | QL | Fruto: manchas de distinto color en la pulpa | ausentes | | |
| 61 | 64 | Fruit: bicolored segments | absent | 1 | |
| | QL | Fruto: gajos bicolores | ausentes | | |

| CPVO | UPOV | Characteristics | State of Expression | Note | Remarks |
|-----------|------|---|-------------------------|----------|---------------|
| | | Caracteres | Nivel de expresión | Nota | Observaciones |
| 62 | 66 | Fruit: main color of flesh | red | 5 | |
| | PQ | Fruto: color principal de la pulpa | rojo | | |
| 63 | 67 | Fruit: bitterness of flesh | absent | 1 | |
| | QL | Fruto: amargor de la pulpa | ausente | | |
| 64 | 68 | Fruit: filling of core | medium | 5 | |
| | QN | Fruto: relleno del hueco central | medio | | |
| 65 | 69 | Fruit: diameter of core | small to medium | 4 | |
| | QN | Fruto: diámetro del hueco central | pequeño a medio | | |
| 66 | 70 | Fruit: presence of rudimentary segments | strong | 3 | |
| | QN | Fruto: presencia de gajos rudimentarios | alta | | |
| 67 | 71 | Fruit: number of well developed segments | medium | 5 | |
| | QN | Fruto: número de gajos bien desarrollados | medio | | |
| 68 | 72 | Fruit: coherence of adjacent segment walls | medium to strong | 6 | |
| | QN | Fruto: adherencia entre los gajos adyacentes | media a fuerte | | |
| 69 | 73 | Fruit: strength of segment walls | weak | 3 | |
| | QN | Fruto: firmeza de las paredes de los gajos | débil | | |
| 70 | 74 | Fruit: length of juice vesicles | medium | 5 | |
| | QN | Fruto: longitud de las vesículas de jugo | media | | |
| 71 | 75 | Fruit: thickness of juice vesicles | thin | 3 | |
| | QN | Fruto: grosor de las vesículas de jugo | delgadas | | |
| 72 | 77 | Fruit: coherence of juice vesicles | medium | 5 | |
| | QN | Fruto: coherencia de las vesículas de jugo | media | | |
| 73 | 78 | Fruit: presence of navel (viewed internally) | always present | 3 | |
| G | PQ | Fruto: presencia de fruto secundario o navel (visto internamente) | siempre presente | | |

| CPVO | UPOV | Characteristics | State of Expression | Note | Remarks |
|-----------|------|--|---------------------------|------------|---------------|
| | | Caracteres | Nivel de expresión | Nota | Observaciones |
| 74 | 79 | Fruit: size of navel (viewed internally) | large | 7 | |
| | QN | Fruto: tamaño del fruto secundario o navel (visto internamente) | grande | | |
| 75 | 80 | Fruit: juiciness | medium | 5 | |
| | QN | Fruto: contenido en jugo | medio | | |
| 76 | 81 | Fruit juice: total soluble solids | high | 7 | |
| | QN | Jugo del fruto: cantidad de sólidos solubles | alta | | |
| 77 | 82 | Fruit juice: acidity | medium to high | 6 | |
| | QN | Jugo del fruto: acidez | media a alta | | |
| 78 | 83 | Fruit: strength of fibre | medium | 5 | |
| | QN | Fruto: Textura de la pulpa | media | | |
| 79 | - | Fruit: number of seeds (controlled manual self-pollination) | absent or very few | 1 | |
| | QN | Fruto: número de semillas (autopolinización manual controlada) | ausentes o muy bajo | | |
| 80 | 84 | Fruit: number of seeds (open pollination) | absent or very few | 1 | |
| | QN | Fruto: número de semillas (polinización libre) | ausentes o muy bajo | | |
| 81 | 85 | Seed: polyembryony | N/A | N/A | |
| | QL | Semilla: poliembrionía | | | |
| 82 | 86 | Seed: length | N/A | N/A | |
| | QN | Semilla: longitud | | | |
| 83 | 87 | Seed: width | N/A | N/A | |
| | QN | Semilla: anchura | | | |
| 84 | 88 | Seed: surface | N/A | N/A | |
| | QL | Semilla: superficie | | | |

| CPVO | UPOV | Characteristics | State of Expression | Note | Remarks |
|-----------|------|---|----------------------------|------------|---------------|
| | | Caracteres | Nivel de expresión | Nota | Observaciones |
| 85 | 90 | Seed: external color | N/A | N/A | |
| | PQ | Semilla: color externo | | | |
| 86 | 91 | Seed: color of inner seed coat | N/A | N/A | |
| | PQ | Semilla: color de la cubierta interna | | | |
| 87 | 92 | <u>Only varieties with seed: polyembryony present:</u> Seed: color of cotyledons | N/A | N/A | |
| | PQ | <u>Sólo variedades con semilla: poliembrionía presente:</u> Semilla: color de los cotiledones | | | |
| 88 | 93 | Time of maturity of fruit for consumption | very early to early | 2 | |
| G | QN | Época de madurez del fruto para su consumo | muy temprana a temprana | | |
| 89 | 94 | Parthenocarpy | present | 9 | |
| | QL | Partenocarpía | presente | | |
| 90 | 95 | Self-incompatibility | present | 9 | |
| | QL | Auto-incompatibilidad | presente | | |



CPVO

Community Plant Variety Office
Oficina Comunitaria de Variedades Vegetales



DG Producciones y Mercados Agrícolas
SG Medios de Producción Agrícolas y OEVV



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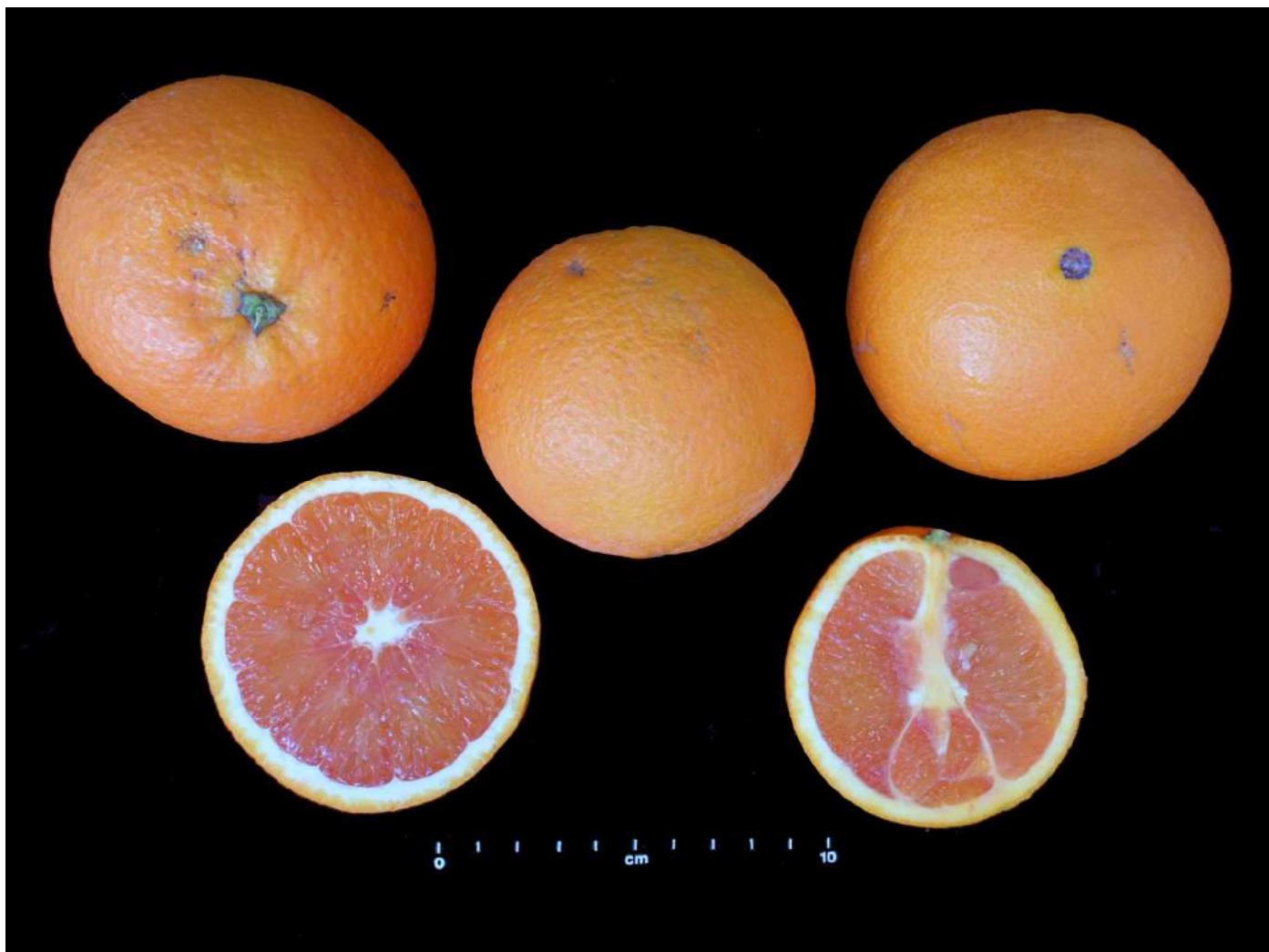
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Unidad de Examen Técnico
de Identificación Varietal











15. Similar varieties and differences in relation to those varieties:
Variedades más similares y diferencias en relación a las mismas:

| Denomination of similar variety | Characteristics, in which the similar variety is different | State of Expression of similar variety | State of Expression of the candidate variety |
|--|--|--|---|
| <i>Denominación de la variedad más similar</i> | <i>Caracteres en los que la variedad más similar es diferente</i> | <i>Nivel de expresión de la variedad más similar</i> | <i>Nivel de expresión de la variedad candidata</i> |
| CARACARA | 3.-Tree: density of spines 3.-Árbol: presencia de espinas | 3.-dense 3.-alta | 1.-absent or sparse 1.-nula o escasa |
| | 11.-Leaf blade: green color 11.-Limbo: color verde | 5.-medium 5.-medio | 7.-dark 7.-oscuro |
| | 47.-Fruit: diameter of navel opening 47.-Fruto: diámetro de la apertura ombligo | 5.-medium 5.-medio | 3.-small 3.-pequeño |
| | 51.-Fruit surface: predominant color(s) 51.-Superficie del fruto: color(es) predominante(s) | 2.-medium orange 2.-naranja medio | 3.-dark orange 3.-naranja oscuro |
| | 65.-Fruit: diameter of core 65.-Fruto: diámetro del hueco central | 6.-medium to large 6.-medio a grande | 4.-small to medium 4.-pequeño a medio |
| | 66.-Fruit: presence of rudimentary segments 66.-Fruto: presencia de gajos rudimentarios | 2.-intermediate 2.-media | 3.-strong 3.-alta |
| | 74.-Fruit: size of navel (viewed internally) 74.-Fruto: tamaño del fruto secundario o navel (visto internamente) | 5.-medium 5.-medio | 7.-large 7.-grande |
| | 88.-Time of maturity of fruit for consumption 88.-Época de madurez del fruto para su consumo | 5.-medium 5.-media | 2.-very early to early 2.-muy temprana a temprana |

16. Additional information:
Información adicional:

- a) Additional data:
Datos adicionales:
- b) Remarks:
Observaciones:



CPVO

Community Plant Variety Office

CERTIFICATE ON THE GRANT OF COMMUNITY PLANT VARIETY RIGHTS

THE COMMUNITY PLANT VARIETY OFFICE HEREBY ACKNOWLEDGES THE GRANT OF COMMUNITY PLANT VARIETY RIGHT BY ITS DECISION N° EU **63514** OF **20 MARCH 2023** TAKEN IN ACCORDANCE WITH COUNCIL REGULATION (EC) N° 2100/94 ON COMMUNITY PLANT VARIETY RIGHTS, WITH EFFECT FROM THE DATE OF THE DECISION REFERRED TO ABOVE, FOR

**Glenam Knott
Glen Muir Farm
P.O. Box 961
ZA - Fort Beaufort 5720**

AS HOLDER OF THIS RIGHT,

REPRESENTED BY

María Isabel Montero Villora

BEING DOMICILED OR HAVING HIS SEAT OR ESTABLISHMENT IN

**C/ Pintor Lopez 7, 3^o-3^a
ES - 46003 Valencia**

IN RESPECT OF THE VARIETY OF *Citrus sinensis* (L.) Osbeck BEARING THE DESIGNATED DENOMINATION:

'Red Lina'

FOR A PERIOD EXPIRING ON **31 DECEMBER 2053** AT THE LATEST.

THE COMMUNITY PLANT VARIETY RIGHT HAS UNIFORM EFFECT WITHIN THE TERRITORY OF THE EUROPEAN COMMUNITY AND MAY NOT BE TRANSFERRED IN RESPECT OF THIS TERRITORY OTHERWISE THAN ON SUCH UNIFORM BASIS. IT CAN BE EXERCISED AND ENJOYED BY THE HOLDER IN ACCORDANCE WITH COUNCIL REGULATION N° 2100/94 ON COMMUNITY PLANT VARIETY RIGHTS.

THIS ACKNOWLEDGEMENT DOES NOT AFFECT THE REQUIREMENT OF THE HOLDER TO PAY THE FEES DUE FOR EACH YEAR OF DURATION OF THE COMMUNITY PLANT VARIETY RIGHT.

**President of the
Community Plant Variety Office**

Francesco Mattina

Francesco Mattina

