



REPÚBLICA DE COLOMBIA  
MINISTERIO DE RELACIONES EXTERIORES  
**LEGALIZACION**

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**Actuando en calidad de:** NOTARIO  
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**Lleva el sello/estampilla de:** NOTARIAS DE BOGOTA  
(Bears the seal/stamp of: Est revêtu du sceau de/timbre de:)

**Certificado**  
(Certified - Attesté)

**En:** BOGOTA - EN LÍNEA  
(At: - À:)

**El:** 7/4/2019 9:05:58 a. m.  
(On: - Le:)

**Por:** APOSTILLA Y LEGALIZACIÓN  
(By: The Ministry of Foreign Affairs of Colombia - Par: Ministère des Affaires Étrangères de la Colombie)

**No:** L2THE95589585  
(Under Number: - Sous le numéro:)

**Nombre del Titular:** SANTA MARTA GOLDEN HEMP S.A.S. // NN-AV011  
(Name of the holder of document: Nom du titulaire:)  
**NON-PSYCHOACTIVE CANNABIS**

**Tipo de documento:** TRADUCCION RESOLUCION POR LA CUAL SE OTORGA  
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**UN REGISTRO**

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CERTIFIED TRANSLATION NO. 049-2019. THIS IS A CERTIFIED TRANSLATION OF A DOCUMENT WRITTEN IN SPANISH, WHICH IS IDENTIFIED WITH THE SEAL OF THE TRANSLATOR. THIS TRANSLATION WAS PREPARED BY MARIANA ELENA CALDERÓN MEDINA, CERTIFIED INTERPRETER AND TRANSLATOR PURSUANT TO THE CERTIFICATE OF PROFESSIONAL QUALIFICATION ON CERTIFIED TRANSLATIONS AND INTERPRETATIONS NO. 0313 ISSUED BY "UNIVERSIDAD NACIONAL DE COLOMBIA" ON SEPTEMBER 14<sup>TH</sup>, 2010, IN BOGOTA, COLOMBIA.

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**RESOLUTION No. 00006148  
(05/09/2019)**

Through which the registration of the NN-AV011 Non-Psychoactive Cannabis cultivar of company SANTA MARTA GOLDEN HEMP S.A.S. is granted with ICA'S National Registry for Commercial Cultivars, for the Dry Caribbean Natural Sub-region.

**THE VEGETAL PROTECTION SUB-MANAGER OF INSTITUTO COLOMBIANO AGROPECUARIO, ICA  
[COLOMBIAN INSTITUTE FOR AGRICULTURE AND STOCKBREEDING].**

In exercise of his legal powers, particularly those granted in Decrees 1071 of 2015, 4765 of 2008, Accord 005 of 2010, and Resolution 1676 of 2011:

**CONSIDERING:**

That pursuant to Decree 1071 of May 26, 2015, ICA is responsible for regulating, supervising, and controlling the production, certification, multiplication, trade, import, and export of seeds for planting used in the domestic agricultural production.

That Resolution No. 3168 of September 7, 2015 provides for that ICA shall keep the National Registry for Commercial Cultivars, for purposes of the registration and identification of the characteristics of the cultivars intended to be produced, imported, and/or commercialized in the country's authorized agro-ecological areas.

That SANTA MARTA GOLDEN HEMP S.A.S., identified with TIN No. 900993798-3, Trade Registration No. 179905 of July 27, 2016, and judicial notification-purposes address at Carrera 1 # 22-58 of the Santa Marta Municipality, Magdalena, pursuant to the certificate of existence and legal representation issued by the Chamber of Commerce of Santa Marta for Magdalena, issued on April 10, 2019, in furtherance of that provided for in Article 2.8.11.11.1 of Decree 613 of 2017, informed to ICA the Cannabis Cultivars part of its Seed source for the production of selected seeds, among which is the NN - AV011 Cultivar.

That SANTA MARTA GOLDEN HEMP S.A.S., was registered with ICA as a psychoactive and Non-Psychoactive Cannabis Selected Seed Producer (sexual), through Resolution ICA No. 31425 of September 3, 2018; and as

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a Phyto-Improvement Research Unit for Psychoactive and Non-Psychoactive Cannabis, through Resolution ICA No. 30924 of August 27, 2018.

That SANTA MARTA GOLDEN HEMP S.A.S., through Letter No. 20181122831, applied for the authorization to carry out the agronomic assessment test on ten (10) Cannabis Cultivars, among which the NN - AV011 Cultivar was included; this, to evaluate their performance in the Dry Caribbean Natural Sub-region, in compliance with the requirements provided for in Decrees 613 of April 10, 2017 and 631 of April 09, 2018, ICA Resolution No. 3168 of 2015, and other regulations in force.

That according to the above provisions, the results of the "Agronomic Assessment Test for SANTA MARTA GOLDEN HEMP S.A.S.'s NN-AV011 Cannabis Cultivar in the Dry Caribbean Natural Sub-region", showed a good performance for the parameters of the agronomic characteristics evaluated in the aforementioned Natural Sub-region and THC <1% contents, being cataloged as Non-psychoactive, pursuant to Minute No. 22-19-776.

That SANTA MARTA GOLDEN HEMP S.A.S.'s legal representative, through letter No. 20191108281, applied for the registration of the NN-AV011 Non-Psychoactive Cannabis Cultivar with ICA'S National Registry for Commercial Cultivars for the Dry Caribbean Natural Sub-region, whose technical sheet was supplied by the person in charge the registration.

That as a result of the above.

**RESOLVES:**

**ARTICLE 1.-** To grant the Registration with ICA'S National Registry for Commercial Cultivars, for the Dry Caribbean Natural Sub-region, of the NN-AV011 Non-Psychoactive Cannabis cultivar of SANTA MARTA GOLDEN HEMP S.A.S., with TIN No. 900993798-3, Trade Registration No. 179905 of July 27, 2016, and judicial notification-purposes address at Carrera 1 # 22-58 of the Santa Marta Municipality, Magdalena, pursuant to

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Notario  
Carlos Is Jaramillo  
42



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the certificate of existence and legal representation of the Chamber of Commerce of Santa Marta for Magdalena, issued on April 10, 2019, as explained in the reasoning of this Resolution, which is described below:

**CANNABIS**

<b>REGISTRATION NO.</b>	<b>CANN-19-0007</b>
<b>BOTANIC NAME:</b>	<i>Cannabis sativa L.</i>
<b>COMMON NAME:</b>	Marihuana
<b>REGIONAL NAME:</b>	NN
<b>ASSESSMENT NAME ASSIGNED BY THE COMPANY:</b>	<b>NN – AV011</b>
<b>COLLECTION SITE:</b>	Cesar
<b>TYPE OF REPRODUCTION:</b>	Sexual
<b>TYPE OF CULTIVAR (VARIETY/HYBRID):</b>	Information not available. Seed source pursuant to Decree 631 of 2018.
<b>CLASSIFICATION ACCORDING TO THC CONTENTS:</b>	Non-Psychoactive
<b>GENEALOGY:</b>	Information not available. Seed source pursuant to Decree 631 of 2018.
<b>METHODOLOGY USED FOR OBTAINMENT:</b>	Information not available. Seed source pursuant to Decree 631 of 2018.
<b>CREATOR OR BREEDER:</b>	Information not available. Seed source pursuant to Decree 631 of 2018.
<b>SPECIALISTS INVOLVED IN ITS CREATION:</b>	Information not available. Seed source pursuant to Decree 631 of 2018.
<b>RESPONSIBLE FOR REGISTRATION:</b>	Santa Marta Golden Hemp S.A.S. Carrera 1 # 22 - 58 Santa Marta – Magdalena
<b>ADAPTATION (Natural Sub-regions):</b>	Dry Caribbean

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**Cultivation's environmental conditions and characteristics during the Agronomic Assessment Test's performance:**

- Plant density: 0,55 m x 0,70m
- Growing conditions (outdoor/greenhouse): Greenhouse

Stage	Duration in days	Temperature °C			Relative Humidity (%)	Photo-period (hours of light – hours of darkness)
		Average	Maximum	Minimum		
Germination	3	X	X	X	X	X
Rooting	15	X	X	X	X	X
Vegetative	30	28,2 °C	33,5 °C	22,9 °C	74	18 hours of light – 6 hours of darkness
Flowering	70	29,1 °C	35,6 °C	22,7 °C	74	12 hours of light – 12 hours of darkness

**LIFE CYCLE**

- Days to emergence: 3
- Rooting duration (Days): 15
- Days to male flowering (after transplant): Not submitted
- Days to female flowering (after transplant): 47
- Days to harvest after beginning of flowering: 53
- Days to harvest after transplant: 100

**SEED AND SEEDLING'S CHARACTERISTICS**

- Cotyledon shape: Narrow obovate – Medium obovate
- Cotyledon color: Light green
- 1000 seeds' weight (g): 35
- Color of testa: Grey brown
- Seed marbling: Medium
- Hypocotyl's intensity of anthocyanin coloration: Medium
- Germination (%): 88

**PLANT CHARACTERISTICS:**

- Leaf's green color intensity: Green
- Petiole length (cm): 9,93
- Petiole color: Green – Green purple
- Number of leaflets: 7-9

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• Central leaflet's length (cm):	17,34
• Central leaflet's width (cm):	2,37
• Proportion of hermaphrodite plants (%):	Not submitted
• Proportion of male plants (%):	100
• Proportion of female plants (%):	0
• Main stem's color:	Green - Light green
• Main stem's internode length (cm):	6,4
• Main stem's thickness:	17,3
• Main stem's grooves depth (mm):	Medium
• Pith in cross section:	Medium
• Anthocyanin coloration of female flowers:	Medium
• Anthocyanin pigmentation of male flowers:	Not submitted
• Anthocyanin pigmentation of crown:	Medium
• Plant's height (cm):	148,9
• Harvested stem's height (cm):	129,6
• Number of stems per plant:	1
• Flower yield (g / m <sup>2</sup> ):	207,789
• Flowers and stems yield (13% humidity) (kg / ha):	747,955
• Biomass yield (fresh matter) (kg / ha):	2810,216

**INFLORESCENCE**

**PHYTO-CANNABINOIDS**

**CONTENT\*:**

• THC (%):	0,53
• CBD (%):	13,39

\* Results obtained in the laboratory, using the high-performance liquid chromatography technique.

**RESPONSE TO PESTS AND DISEASES:**

The following results of the assessment correspond to the material's reading under the environmental and management conditions present during the agronomic assessment test in the agro-ecological zone and not to for pests and diseases-resistance test.

<b>Disease - Pest</b>	<b>Incidence (%)</b>	<b>Severity (%)</b>
• <i>Fusarium</i> sp.:	4,81*	10,00*
• <i>Spodoptera</i> sp. (Beet armyworm):	60,00*	10,00*
• <i>Agromizydae</i> sp. (Leaf miner):	30,00*	20,00*

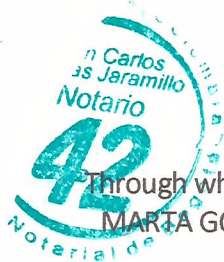
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• Bemisia tabaci (White fly):	60,00*	2,00*
• Acaridae (Mites):	20,00*	2,00*

\* These values correspond to field observations during the agronomic assessment test, without any type of preventative application of fungicides or insecticides.

**ARTICLE 2.-** The use of this cultivar will have a agronomic management technical sheet, delivered by the party responsible for the registration.

**ARTICLE 3.-** This NN-AV011 Non-Psychoactive Cannabis Cultivar Registration has indefinite validity, but commercialization thereof may be canceled, suspended, or withdrawn in all or part of the national territory, whenever there is evidence that the cultivar lost the characteristics and/or agronomic value giving rise to the Registration and/or whenever its behavior poses a health risk.

**ARTICLE 4.-** The person responsible for the cultivar's registration is required to comply with the legal provisions in Decrees 613 of April 10, 2017 and 631 of April 9, 2018, ICA Resolution No. 3168 of 2015, and other legal provisions supplementing, modifying, and/or substituting them.

**ARTICLE 5.-** The NN-AV011 Non-Psychoactive Cannabis Cultivar under this registration, can only be commercialized in the Natural Sub-region authorized herein.

**ARTICLE 6.-** To notify this administrative decision, delivering a complete and authentic copy, free of cost to the interested party, in accordance with articles 67 to 69 of the Administrative Procedure and Contentious Administrative Code (Act 1437 of 2011).

**ARTICLE 7.-** The legal remedy of reconsideration may be lodged against this decision within the ten (10) business days following notification hereof, pursuant to Article 76 of the Administrative Procedure and Contentious Administrative Code (Act 1437 of 2011).

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**ARTICLE 6.-** This Resolution is valid as of its issuance date.

**NOTIFY AND COMPLY.**

Issued in Bogota on 05/09/2019

[Illegible signature]  
**JAIME CÁRDENAS LÓPEZ**  
**Vegetal Protection Sub-manager**

Prepared by: Jaiden Yezid Rios Puentes - Technical Direction for Seeds  
Reviewed: Alfonso Alberto Rosero - Technical Direction for Seeds  
Misional Review – Legal Advisor Office  
Approval: Liliana Amparo Fernández Munoz - Legal Advisor Office

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This translation is identical to the text of the document that I have seen. This translation was made on June 25, 2019.

  
**MARIANA ELENA CALDERÓN MEDINA**

Certificate of Professional Qualification on Certified Translations and Interpretations No. 0313 issued by "Universidad Nacional de Colombia", on September 14<sup>th</sup>, 2010.

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FIRMA REGISTRADA

NOTARÍA CUARENTA Y DOS (42)  
CÍRCULO DE BOGOTÁ - COLOMBIA

JUAN CARLOS VARGAS JARAMILLO  
NOTARIO TITULAR

CERTIFICA

Que, según la confrontación correspondiente, la firma que aparece  
en este documento es similar a la registrada en esta Notaría por

CALDERON MEDINA MARIANA ELENA

quien se identificó con:

C.C. 39789265

Bogotá D.C. 28/06/2019

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