Ecep Han
Trading for good..

HARIR®
Saffron
HAND PICKED ONE BY ONE

HARIR SAFFRON™

Hand Picked One by One

FS-HS-9-13-21 ©ECEP HAN

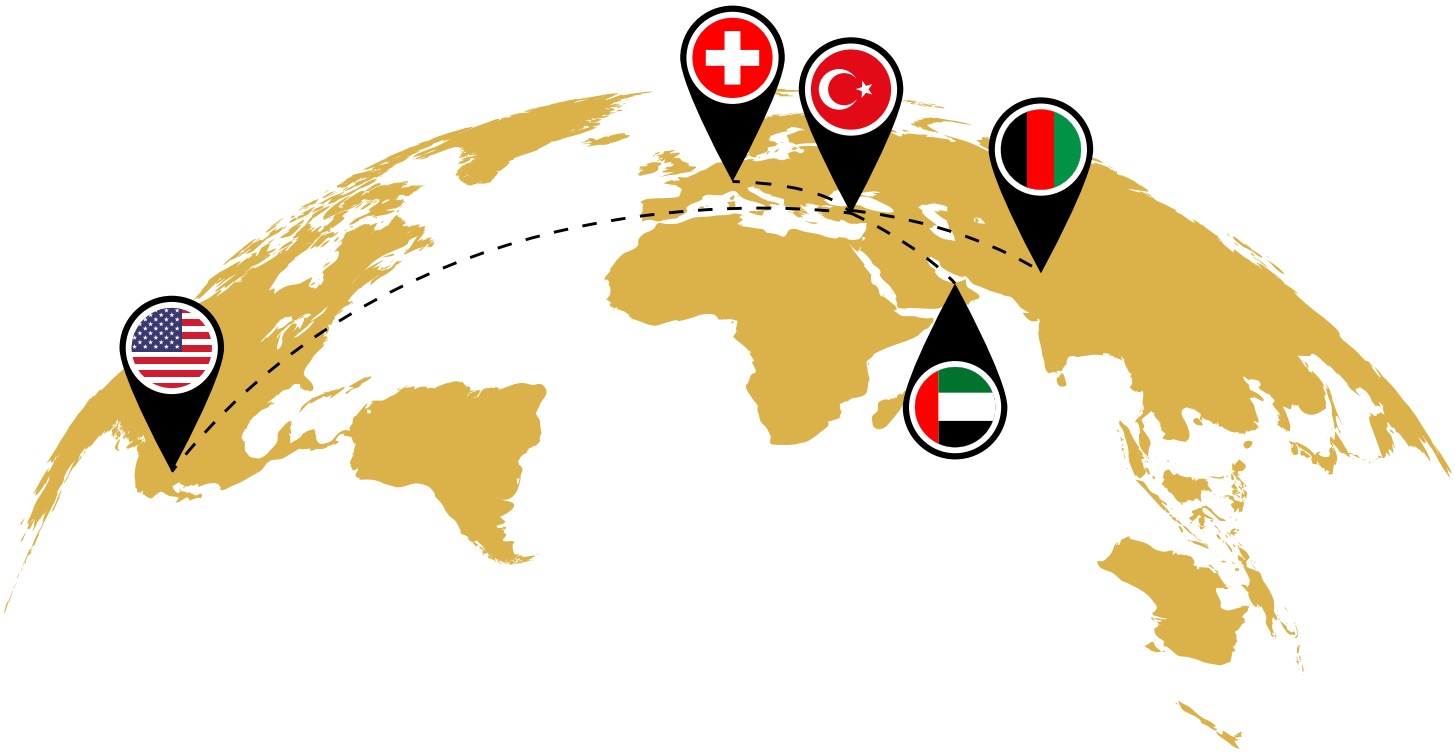
Harir Saffron™ is 100% Pure, Authentic and Organic Saffron harvested in the nutritious, rich and naturally mineralized farmlands of Afghanistan. Harir Saffron's natural color attracts visions abruptly, its enticing aroma gives a pleasant flavor to perception, its unique taste is incomparably wowed and its dark red lengthy threads and texture draws your sight in amazement. The Almighty and sublime Creator naturally nourishes its super realistic dye and the Afghan farmers preserve this magical plant's properties by hand picking them one by one. Saffron is a powerful antioxidant and its consumption may treat depression, fight cancer and reduce PMS Symptoms. Its rich energy nutrition may reduce appetite and aid weight loss, may reduce heart disease risk due to its antioxidant property, may lower your blood sugar levels, may improve your eyesight with AMD (Age-related Macular Degeneration), and protects against free radical damage; may improve memory and cognition on adults with Alzheimer's diseases.

In ECEP HAN International Trading, headquarters based in Istanbul, Turkey, and its International branches in Afghanistan, UAE, Switzerland, and USA, we are committed to uniquely supply food supply chains, cosmetics producers, pharmacological companies with top-notch Afghan Saffron in three distinguished categories of Pushal, Negin and Super Negin saffron under the trademark of Harir Saffron™.

Saffron
A Product of Afghanistan
HAND PICKED ONE BY ONE

OUR GLOBAL PRESENCE

Our offices worldwide will enable you to find one of our representatives during work hours no matter which time zone you live in.



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america@ecephan.com

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+93 202 501 610
kabul@ecephan.com


Saffron
HAND PICKED ONE BY ONE
Saffron

OUR BRAINS

ECEP HAN with the slogan Trading for Good have accumulated hundreds years of experience through hiring good men and women around the globe. We have more than 80+ professional, well-trained and well-educated employees in our headquarter and branch offices around the world.

Nikmal ABDULLAH
CEO- Headquarter

He is the CEO of a multinational company called "ECEP HAN INTERNATIONAL GENERAL TRADING LCC" which was founded in Turkey and has regional offices in each continent of the Globe. The company, like himself, is on a flight of success at a rapid rate and soon it will leave a big mark in the world of entrepreneurship and business.

Nick HAMMOND
Managing Director-USA

A State Department and US Air Force Veteran, has worked in various management positions such as construction project manager, facility management, and operational management. As a managing director of ECEP HAN, oversees operations and business development for the North American market.

Ainor GOVORI
Managing Director-Switzerland

25+ years of experience in international organizations such as United Nations, The International Organization for Migration, and World Health Organization in management and leadership posts.

Samiullah AMARKHEL
Managing Director-UAE

He has been the CEO of Vertex International Group (VIG) from 2010 to 2016 and CEO of Standard Alliance Construction & Engineering (SACE) from 2016 to 2020. As a master of construction management, he has also worked in managing posts for Etisalat Afghanistan and various other International Organizations around the world.

Hedayatullah ZAHEB
Managing Director- AFG

He has been the CEO of Vertex Construction & Engineering (VCE) from 2010 to 2017 and has been working in various managing posts in the last decade for leading companies. Apart from being part of international development directorate, he is also an author who has authored more than 6 books.

M. Davut MAHDUM
General Manager-Turkey

Trade Specialist + 30 years experience

Jeyab ABDULLAH
Chief Accountant

ACCA, CAT + 25 years experience

Zeynep EKİZOĞLU
Business Development

MBA + 12 years experience

N. Erdal Karadavut
Production Supervisor

36 years experience

Jonathan PICUS
Partner- USA

Business Law Expert + 20 years experience

Tuğba YUANiDiS
Human Resources Manager

MBA + 10 years experience

Eid M. HAMED
Zone Manager-AFG

15 years experience

Yusuf ABDULLAH
Operation Manager-Turkey

B. IT + 15 years experience

Robert HAUFFE
Controller-USA

International Trading Expert + 5 years experience

M. Salem SARWARY
Operation Manager-UAE

10 years experience


Saffron
A Product of Afghanistan
NET WT: 5 gr (0.17 Oz)

OUR PRODUCTS

If you can enjoy life from the depth of your soul, you will have a crush on Harir Saffron; feel the hum of the bees, the beauty of nature, the fragrance of inherent beauty, and the taste of the heavens.

100% natural, non-irradiated and long thread Saffron to make your tea, meal, and life delicious. Our products will give you the feel of ancient, the elegance of modern and the quality beyond all age's standards.

EHHS-100-SN
Super Negin Saffron 1 gram (0.035 oz)

EHHS-110-SN
Super Negin Saffron 2 grams (0.07 oz)

EHHS-120-SN
Super Negin Saffron 5 grams (0.17 oz)

EHHS-280-SN
Super Negin Saffron 1 oz (28.34 grams)

EHHS-1000-SN
Super Negin Saffron 100 grams (3.52 oz)

EHHS-1000-N
Negin Saffron 100 grams (3.52 oz)

EHHS-1000-P
Pushal Saffron 100 grams (3.52 oz)

EHHS-2500-SN
Super Negin Saffron 250 grams (8.81 oz)

EHHS-2500-N
Negin Saffron 250 grams (8.81 oz)

EHHS-2500-P
Pushal Saffron 250 grams (8.81 oz)

EHHS-5000-SN
Super Negin Saffron 500 grams (17.63 oz)

EHHS-5000-N
Negin Saffron 500 grams (17.63 oz)

EHHS-5000-P

Pushal Saffron

500 grams (17.63 oz)


HARIR
Saffron
HAND PICKED ONE BY ONE
Nutrition Facts
Saffron

QUALITY AND CERTIFICATIONS

ISO 10002:2018 — Harir Saffron's costumer focused strategy related to the products is the main driving force in planning, design and improvement of Harir Saffron according to customer's feedbacks.	FDA — Harir Saffron has submitted all pre-marker approvals (PMA) and results of clinical results to get FDA registration. The benefits of our products are considerably great.
ISO 9001:2015 — Harir Saffron meets the requirements of in the ISO 9001 Quality Management System (QMS). Harir Saffron meets costumer satisfaction and is more focused on customers	GOOD MANUFACTURING PRACTICE GMP — We ensure that products are consistently produced and controlled according to quality standards. Our production system is designed to minimize the risks involved with our products.
ISO 22000:2018 — At Harir Saffron, we take responsibility to manage the safety of our products and the well-being of our consumers. Our compliance with ISO 22000 attests.	MALAYSIA حلال HALAL — In order to get MS 1500, which means our products are HALAL, Harir Saffron has set itself according to various Mandatory Standards mentioned in the website of JSM.

INTERNATIONAL TASTE INSTITUTE

BRUSSELS

We make your life delicious, and the International Taste Association and Team will attest to our claim. ITA has tested our products, and they have given us the superior taste award.


DISTRIBUTED BY:
ECEPHAN NORTH AMERICA LLC
HAYDEN RD. SUITE 101,
SCOTTSDALE AZ 85260, ARIZONA USA
america@ecephan.com
HARIR
Saffron
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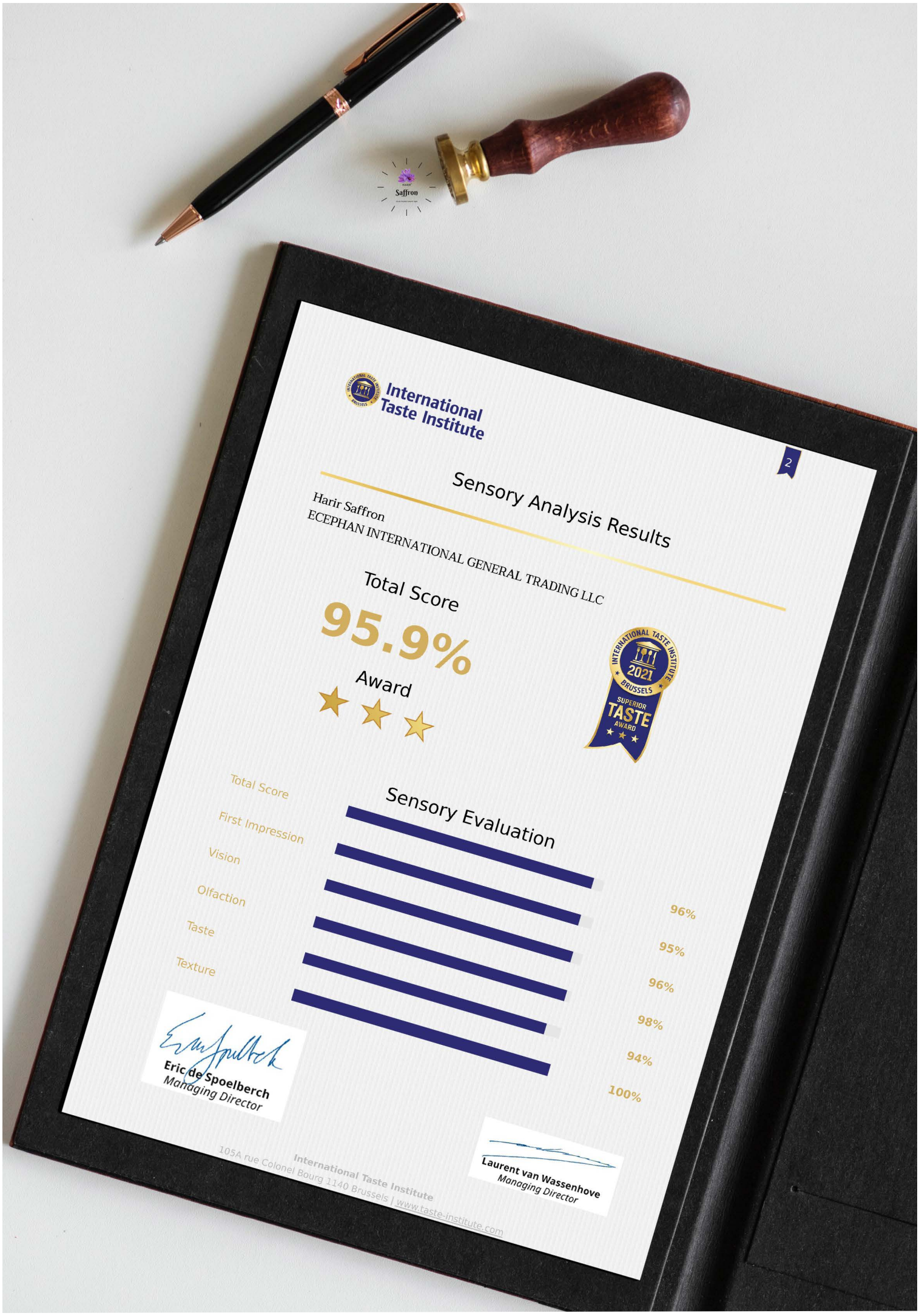
International Taste Institute
Harir Saffron
ECEP HAN INTERNATIONAL GENERAL TRADING LLC
is granted the
SUPERIOR TASTE AWARD
SUPERIOR TASTE AWARD
Eric de Spoelberch
Managing Director
Brussels, 2021
Laurent van Wassenhove
Managing Director


International Taste Institute
2
Sensory Analysis Results
Harir Saffron
ECEPHAN INTERNATIONAL GENERAL TRADING LLC
Total Score
95.9%
Award
INTERNATIONAL TASTE INSTITUTE
2021
BRUSSELS
SUPERIOR
TASTE
AWARD
Sensory Evaluation
Total Score
First Impression
Vision
Olfaction
Taste
Texture
96%
95%
96%
98%
94%
100%
Eric de Spoelberch
Managing Director
Laurent van Wassenhove
Managing Director
International Taste Institute
105A rue Colonel Bourg 1140 Brussels | www.taste-institute.com

CERTIFICATE OF REGISTRATION

SYNDICATE OF INTERNATIONAL SYSTEM CERTIFICATIONS

This Certificate has been awarded to

ECEP HAN INTERNATIONAL GENERAL TRADING LLC

CENTRAL ADDRESS: SUIT NO:90 FLOOR 16, TESLA BUSINESS CENTER OPAL TOWER, BUSINESS BAY, DUBAI / UDE PO. BOX NO:39354

BRANCH ADDRESS: ECEP HAN TRADING LLC, DISTRICT 4, KHWAJA ALİ MOWAFAG STREET, HERAT, AFGHANISTAN

In recognition of the organization's Managements System which complies with

ISO 9001:2015

The scope of activities covered by this certificate is defined below

SAFFRON AND DRIED FRUIT PROCESSING, PACKAGING, REPACKAGING AND SALES

Certificate Number: SIS070721Q068
Date of Issue of Orginal Certificate: 07.07.2021
Date of Issue of Latest Certificate: 07.07.2021
Expiry Date: 06.07.2022

SIS CERT.

IAS ACCREDITED Management Systems Certification Body
MSCB - 131

IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT

Managing Director

SIS CERT

Note: This certificate is valid only if produced with the continuation letter after the surveillance is carried out successfully.

The Organization's documentation and Implementation has been rewiewed and found to comply with the relevant standard rules. This certificate of Registration is based on the evaliation of the mentioned scope given above. Organization is responsible for maintaining the responsibilities of the revelant standard rules. Any significant changes in the scope of the certification or standard referred above render this certificate invalid. This is an accredited certificate isseud by SIS Certifications Pvt. Ltd. sanctioned for issue by International Accreditation Services, 3060 Saturn Street Suite 100 Brea, California 92821-1732, USA.

Email us : support@siscertifications.com, info@siscertifications.co.in Call: - +91-9654721646
Web : - http://www.siscertifications.co.in,; www.siscertifications.com
The status of this certificate can be verified on : http://www.siscertifications.co.in".

Issue No.:01


DSR CERTIFICATION
Sertifika
Certificate
ECEP HAN INTERNATIONAL GENERAL TRADING LLC
TESLA BUSINESS CENTRE, OPAL TOWER SUIT NO. 90 (1610), BUSINESS BAY, DUBAI
PO. BOX NO. 39354, DUBAI
ECEP HAN Trading LLC
District 4, Khwaja Ali Mowafaq Street, Herat, Afghanistan
is audited by DSR Certification and applied
Customer Satisfaction Management System meet the requirements of
ISO 10002:2018
standard for the following activities.
SAFFRON AND DRIED FRUIT PROCESSING, PACKAGING, REPACKAGING, AND SALES
04.01.2021
Certificate Date
Certificate No: M-20.12.413
06.07.2021
Certificate Last Issue Date
3 Years
Certification Period
03.01.2022
Certificate Expiry Date
DSR CERTIFICATION
ISO 10002:2018 CERTIFIED
APPROVAL
DSR TEKNİK MUAYENE SERTİFİKASYON HİZ. LTD. ŞTİ.
Yeşilbağlar Mah. Selvili Sk. Helis Beyaz Ofis 2/1 A Blok No:207 PENDİK / İSTANBUL / TÜRKİYE Tel: +90 216 606 06 35
E-mail: info@dsrbelgelendirme.com.tr - Web: www.dsrbelgelendirme.com.tr

CERTIFICATE OF REGISTRATION

SYNDICATE OF INTERNATIONAL SYSTEM CERTIFICATIONS

This Certificate has been awarded to

ECEP HAN INTERNATIONAL GENERAL TRADING LLC

CENTRAL ADDRESS: SUIT NO: 90 FLOOR 16, TESLA BUSINESS CENTER OPAL TOWER, BUSINESS BAY, DUBAI / UDE PO. BOX NO:39354

BRANCH ADDRESS: ECEP HAN TRADING LLC, DISTRICT 4, KHWAJA ALI MOWAFAG STREET, HERAT, AFGHANISTAN

In recognition of the organization's Managements System which complies with

ISO 22000:2018

The scope of activities covered by this certificate is defined below

SAFFRON AND DRIED FRUIT PROCESSING, PACKAGING, REPACKAGING AND SALES

Categor: CIV

Certificate Number: SIS070721F069

Date of Issue of Orginal Certificate: 07.07.2021

Date of Issue of Latest Certificate: 07.07.2021

Expiry Date: 06.07.2022

Managing Director

Note: This certificate is valid only if produced with the continuation letter after the surveillance is carried out successfully.

The Organization's documentation and Implementation has been rewiewed and found to comply with the relevant standard rules. This certificate of Registration is based on the evaliation of the mentioned scope given above. Organization is responsible for maintaining the responsibilities of the revelant standard rules. Any significant changes in the scope of the certification or standard referred above render this certificate invalid. This is an accredited certificate isseud by SIS Certifications Pvt. Ltd. sanctioned for issue by International Accreditation Services, 3060 Saturn Street Suite 100 Brea, California 92821-1732, USA.

Email us : support@siscertifications.com, info@siscertifications.co.in Call: - +91-9654721646

Web : - http://www.siscertifications.co.in, www.siscertifications.com http://www.siscertifications.co.in".

The status of this certificate can be verified on

Issue No.:01

SIS CERT.

IAS ACCREDITED Management Systems Certification Body

MSCB - 131

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF


DSR CERTIFICATION
Sertifika
Certificate
ECEP HAN INTERNATIONAL GENERAL TRADING LLC
TESLA BUSINESS CENTRE, OPAL TOWER SUIT NO. 90 (1610), BUSINESS BAY, DUBAI
PO. BOX NO. 39354, DUBAI
ECEP HAN Trading LLC
District 4, Khwaja Ali Mowafaq Street, Herat, Afghanistan
is audited by DSR Certification and applied
Good Manufacturing Practices Management System meet the requirements of
GMP
standard for the following activities.
SAFFRON AND DRIED FRUIT PROCESSING, PACKAGING, REPACKAGING, AND SALES
04.01.2021
Certificate Date
Certificate No: GMP-20.12.413
06.07.2021
Certificate Last Issue Date
3 Years
Certification Period
03.01.2022
Certificate Expiry Date
DSR CERTIFICATION
GMP CERTIFIED
APPROVAL
DSR TEKNİK MUAYENE SERTİFİKASYON HİZ. LTD. ŞTİ.
Yeşilbağlar Mah. Selvili Sk. Helis Beyaz Ofis 2/1 A Blok No:207 PENDİK / İSTANBUL / TÜRKİYE Tel: +90 216 606 06 35
E-mail: info@dsrbelgelendirme.com.tr - Web: www.dsrbelgelendirme.com.tr

2021

CERTIFICATE OF REGISTRATION

This certifies that:

ECEP Han International General Tradin LLC
Ras Al Khor Industrial First Street No 20A
Parcel ID 6120373
Dubai
United Arab Emirates

is registered with the U.S. Food and Drug Administration pursuant to the Federal Food Drug and Cosmetic Act, as amended by the Bioterrorism Act of 2002 and the FDA Food Safety Modernization Act, such registration having been verified as currently effective on the date hereof by Registrar Corp:

U.S. FDA Registration No.: **17128886126**

U.S. Agent for FDA Communications:
Registrar Corp
144 Research Drive, Hampton, Virginia, 23666, USA
Telephone: +1-757-224-0177 • Fax: +1-757-224-0179

This certificate affirms that the above stated facility is registered with the U.S. Food and Drug Administration pursuant to the Federal Food Drug and Cosmetic Act, as amended by the Bioterrorism Act of 2002 and the FDA Food Safety Modernization Act, such registration having been verified as effective by Registrar Corp as of the date hereof, and Registrar Corp will confirm that such registration remains effective upon request and presentation of this certificate until December 31, 2021, unless such registration has been terminated after issuance of this certificate. Registrar Corp makes no other representations or warranties, nor does this certificate make any representations or warranties to any person or entity other than the named certificate holder, for whose sole benefit it is issued. Registrar Corp assumes no liability to any person or entity in connection with the foregoing. The U.S. Food and Drug Administration does not issue a certificate of registration, nor does the U.S. Food and Drug Administration recognize a certificate of registration. Registrar Corp is not affiliated with the U.S. Food and Drug Administration.

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Telephone: +1-757-224-0177 • Fax: +1-757-224-0179
info@registrarcorp.com • www.registrarcorp.com

David Lennarz
Executive Director
Registrar Corp
Dated: January 20, 2021


DSR CERTIFICATION
Sertifika
Certificate
HELAL SERTİFİKASI / شهادة حلال
HALAL CERTIFICATE
ECEP HAN INTERNATIONAL
GENERAL TRADING LLC
TESLA BUSINESS CENTRE, OPAL TOWER SUIT NO. 90 (1610), BUSINESS BAY, DUBAI
PO. BOX NO. 39354, DUBAI
ECEP HAN Trading LLC
District 4, Khwaja Ali Mowafaq Street, Herat, Afghanistan
is audited by DSR Certification and applied HALAL FOOD system meet the requirements of
TS OIC/SMIIC 1 2019
standard for the following activities.
SAFFRON AND DRIED FRUIT PROCESSING, PACKAGING, REPACKAGING, AND SALES
04.01.2021
Certificate Date
Certificate No: H-21.01.101
06.07.2021
Certificate Last Issue Date
03.01.2022
Certificate Expiry Date
03.01.2022
Certification Period
Expiration Date
HALAL
DSR CERTIFICATION
APPROVAL
IHI ALLIANCE
FR.072. Yayın Tarihi:18.04.2017
Rev.No:01 Rev.Tarihi: 24.05.2018
Rev.00 / Revizyon Tarihi:06.07.2021
DSR ULUSLARARASI GÖZETİM VE BELGELENDİRME HİZMETLERİ LTD. ŞTİ.
Yeşilbağlar Mah. Selvili Sk. Helis Beyaz Ofis 2/1 A Blok No:207 PENDİK / İSTANBUL / TÜRKİYE Tel: +90 216 606 06 35
E-mail: info@dsrbelgelendirme.com.tr - Web: www.dsrbelgelendirme.com.tr

LAB REPORTS

Certified Laboratories of California

Full Service Laboratory • Established 1926

Certificate of Analysis

ECEP HAN NORTH AMERICA, LLC
8260 E CELDING DRIVE
SUITE 101
SCOTTSDALE, AZ 85260-3620
ATT: NICHOAS HAMMOND

REPORT #: 493700
PROJECT ID: SCA14893-2012-001
REPORT DATE: 1/5/21
PRINT DATE: 1/5/21

LAB #: 1791241

PRODUCT: SAFFRON

DATE RECEIVED:12/22/20

ANALYTE	RESULT	UNITS	METHOD REFERENCE
COLD WATER SOLUBLE EXTRACT	60.27%		ISO 3632-2
ASH	4.98	%	ISO 3632-2
ACID INSOLUBLE ASH	0.37	%	ISO 3632-2
MOISTURE	6.04	%	ISO 3632-2
COLOR IN SAFFRON			ISO 3632-2
CROCIN (@ 440NM)	239.3	(1%, 1cm)	
PICROCROCIN (@ 257NM)	103.7	(1%, 1cm)	
SAFRANAL (@ 330NM)	32.8	(1%, 1cm)	
ARTIFICIAL COLOR	NONE DETECTED		
FOREIGN BOTANICAL MATTER	FOREIGN BOTANICAL MATTER		ISO 3632-2
COMMENTS	THE SAMPLE OF SAFFRON RECEIVED WAS MICROSCOPICALLY EXAMINED . DIFFERENT PARTS OF SAFFRON FLOWER (NON- SAFFRON PRODUCT) WERE NOT FOUND IN THE SAMPLE.		

Sample Comment: Complies with ISO 3632 specifications for type I saffron (highest quality).

END OF REPORT

Robert Yemm
Laboratory Director

6460 Dale Street • Buena Park • CA • 90621 • 714-562-8622 • www.certified-laboratories.com

Certified Laboratories of California

Full Service Laboratory • Established 1926

Certificate of Analysis

ECEP HAN NORTH AMERICA, LLC
8260 E GELDING DRIVE
SUITE 101
SCOTTSDALE, AZ 85260

ECEP HAN INTERNATIONAL GENERAL TRADING, LLC
TESLA BUSINESS CENTER
OPAL TOWER SUITE NO: 90, 16TH FLOOR(1610)
PO BOX 39354
BUSINESS BAY, DUBAI
ATT: NICK HAMMOND

REPORT #: 510506
REPORT DATE: 1/28/21
PRINT DATE: 1/28/21

LAB # 1836705 SAFFRON (HARIR)

DATE RECEIVED 1/12/21

Serving Size for Calculation	1.0g
Reference Value	0.5g (MISCELLANEOUS)
Household Measure	1 SERVING (1g)
Servings Per Container	VARIES

	Per 100g	Per serving	Daily Value(DV)
Calories	353	0	
Calories from fat	33	0	
Total Fat	3.67 g	0 g	
Saturated Fat	20 % of fat	0 g	
Monounsaturated Fat	11 % of fat	0 g	
Polyunsaturated Fat	69 % of fat	0 g	0%
Trans Fat	0 % of fat	0 g	0%
Cholesterol	4 mg	0 mg	
Moisture	4.92 g		
Ash	4.09 g		
Sodium	6.44 mg	0 mg	
Total Carbohydrate	72.84 g		0%
*Dietary Fiber	14.4 g	<1 g	
Total Sugars	13.1 g	0 g	0%
*Added Sugars	0.0 g	0 g	0%
Protein	14.48 g	0 g	0%
Calcium	70.6 mg	0 mg	
Iron	13.3 mg	0.1 mg	0%
Potassium	1890 mg	20 mg	
Vitamin D	0 mcg	0 mcg	0%
			0%
			0%
			0%
			0%

* Based in part on information provided.

END OF REPORT

Robert Yemm
Laboratory Director

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REPUBLIC OF TURKEY
MINISTRY OF AGRICULTURE AND FORESTRY
RADIX PRIVATE FOOD CONTROL LABORATORY
EXAMINING and ANALYSIS REPORT

RADIX

TÜRKAK
Test
TS EN ISO/IEC 17025
AB-1009-T

AB-1009-T	
2021/559	
02.21	

Report / Revision Number : 2021-S59 / 00
The Purpose of Analysis : Private Request
Sample Sent by : Ecep Han Medikal Tekstil ve Tic. Ltd. Şti.
Type of Sample : Harir Saffron
Temperature : 14°C
Sample Package : Tin Packaking

Record of Date / Number :
Serial - Part Number : - /
Analysis Start - Finish Date : 27.01.2021 - 05.02.2021
Code Number : 27.01.2021
Quantity of Sample : 300 g

Analysis	Results	E.U. (±)	LOD / LOQ	R (%)	Method	Limit	Limit Source	E
1-Sensorial Properties (Organoleptic Examination)	It has its own unique color, appearance and structure.				TS EN ISO 5492		TFC Notitification of Spice	P
2-Foreign Matter	Not Detected				Türk Standartları, TGK Yönetmelikleri İle İlgili Ürün Tebliği	Should not be found	TFC Notitification of Spice	P
3-*Ash (% KM'de)	5,55	0,22			TS 2131 ISO 928	Maximum 8	TFC Notitification of Spice	P
4-*Acid Insolubie Ash (% KM'de)	0,24	0,04			TS 2133 ISO 930	Maximum 1,5	TFC Notitification of Spice	P
5-*Moisture (%)	7,99	0,69			TS 2134	Maximum 8	TFC Regulation Of Maximum Residue Limits Of Pesticides	P
6-*Pesticide Analysis (mg/kg)	Not Detected				AOAC 2007.01			NI
7-*Total Aflatoxin (B1+B2+G1+G2) (µg/kg)	Not Detected		0,72		JS-FO-2000 COMPLETE START-UP KIT(200+ analysis)JS-FO-2050 REFILL KIT (200+ analysis)			NI
8-*Aflatoxin B1 (µg/kg)	Not Detected		1,50	101,96	JS-FO-2000 COMPLETE START-UP KIT(200+ analysis)JS-FO-2050 REFILL KIT (200+ analysis)			NI
9-*Ochratoxin A (µg/kg)	Not Detected		1,52	100,63	JS-FO-2000 COMPLETE START-UP KIT(200+ analysis)JS-FO-2050 REFILL KIT (200+ analysis)			NI
10-*Dye	Not Detected				FAO/14			NI
11-Energy (kcal/100g)	350,4	35,0			FAO 77	Not Detected	TFC Regulation of Food Additives	P
12-Energy (kJ/100g)	1.488,2	148,8			FAO 77			NI
13-*Total Fat Content (g/100g)	0,92	0,07			NMKL 160, İşletme İçi Metot - "AT.04.128" (Modified Velp App.Note)			NI
14-Saturated Fatty Acids (g/100g)	0,48	0,00			TGK Zeytinyağı ve Pirina Yağı Analiz Metotları Tebliği, AOAC 2012.13			NI

Gözde ŞENERGE
Biologist
Msc.
Lab. Supervisor

Gürkan TUNALI
Food Engineer
Che.
Lab. Supervisor

RADIX ANALİZ LABORATUVAR HİZMETLERİ TİCARET A.Ş.

Sevim TOPAL
Chemist Msc.
Phy.
Lab. Supervisor

Confirmable
05.02.2021
Ahmet SAYGILAR
Lab. Manager

Aykut SEZGİN
Food Technician
Supervisor of Sample Accept. and Report

Sayfa No 1/3

Page 1/3

PR.19 A-02 Release Date: 03.11.2014
Revision Date / No: 07.08.2019 / 09
Published Date
05.02.2021

1F5ED281

Radix Analiz Laboratuvar Hizmetleri Ticaret A.Ş.
Yenibosna Merkez Mah. Ladin Sok. No: 4/Z229 Fabrikalar Bloğu 1. Fabrika Kuyumcukent, Bahçelievler/Istanbul
T. +90 212 603 18 17 F. +90 212 603 16 15 www.radixanaliz.com

001233

Islamic Republic of Afghanistan
Ministry of Agriculture, Irrigation and Livestock
Herat Directorate of Agriculture, Irrigation & livestock
Department of Saffron Quality Control Lab

Physical, Chemical and Microbiological Specifications of saffron in filaments, cut filaments and powder forms.

C. Nu	001233	Sampling Date	Dec/06/2020
Name/Surname of Company	Mohammad Faisal Sidiqi	Date of The Results	Dec/07/2020
Name of Company	ECEP HAN TRADING LLC.	Number	1233
Sample Type	Saffron (Sort first)	Export quantity	100kg
License No	70559	Destination for export	Dubai/ UAE

Nu	Description	Specifications Categories			Results	Grade	Final Results	Test Method
		I	II	III				
1	Extraneous matter (mass fraction)	0.5	3	5	0.21	A	Grade A	Matter 8 , AS 627: 2015 ISO 3632-2:2010
2	Foreign matter	0.1	0.5	1	0.03	A		Matter 9 , AS 627: 2015 ISO 3632-2:2010
3	Moisture And Volatile Matter	10	12	12	6.8	A		Matter 7, AS 627:2015 ISO 3632–2:2010
4	Picrocrocin	70	50	40	114.5	A		Matter 14 , AS 627: 2015 ISO 3632–2:2010
5	Safranal	20 -50	20 - 50	20 - 50	40.3	A		Matter 14 , AS 627:2015 ISO 3632-2:2010
6	Crocin	200	180	150	270.6	A		Matter 14 , AS 627:2015 ISO 3632-2:2010
7	Artificial colorants	Absent	Absent	Absent	Absent	Absent		Matter 16 & 17 , AS 627:2015 ISO 3632-2:2010

The above results are confirmed by the sample to the laboratory.

Sayed Hazrat Alawi
Sub General Manager of Saffron Quality Control Lab

Eng. Abdul Saboor Rahmany
Herat Director of Agriculture, Irrigation and livestock

لابراتوار کنترل کیفیت زعفران وزارت زراعت آبیاری و مالداری – ریاست زراعت ابیاری و مالداری هرات
Quality Control Laboratory Ministry Of Agriculture, Irrigation & Livestock
Herat Directorate Of Agriculture Irrigation & Livestock

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LABORATORIO QUÍMICO MICROBIOLÓGICO

ANALYSIS REPORT

ENAC ENSAYOS Nº 498/LE606 Nº 498/LE767 Nº 498/LE1340 Nº 498/LE2160

The essays and comments marked with * are not covered by ENAC accreditation.

ECEP HAN INTERNATIONAL GENERAL TRADING LLC
TESLA OPAL TOWER, SUIT NO. 90, 16TH FLOOR 1610, BUSINESS BAY, UAE,
DUBAI PO. BOX NO 39354
..

13-April-2021

AB/MUR/09578/21

LABORATORY INFORMATION

Laboratorio Químico Microbiológico S.L:
Av. Principal. Parcela, 21/1 - Polg. Ind. Oeste - 30169 SAN GINÉS (Murcia)
Sample description: Greek red saffron in plastic packing with an approximate weight of 125g
Type of analytical matrix: SAFFRON
Delivery Method: Sample delivered by courier service

Receipt date:7-April-2021
Start date:7-April-2021
End date:13-April-2021

CLIENT INFORMATION

S/Reference: VENDOR NAME: HARIR SAFFRON VENDOR NEW SUPPLIER NOT APPROVED YET MCC MATERIAL 1513041 SAFFRON THREADS G1 VENDOR SAMPLE HS-HT-2108 VENDOR BATCH 30032110

SUMMARY OF PESTICIDE RESIDUES DETECTED

PESTICIDE RESIDUE	RESULT ± I	UNIT.	LQ	LMR
Folpet (sum of folpet and phtalimide, expressed as folpet)	0.06 ± 0.021	mg/Kg	0.01	0.1
Biphenyl	0.021 ± 0.0074	mg/Kg	0.01	0.05

LMR: Maximum residue limit according to Regulation 396/2005 and subsequent modifications. N/A: Indicates that there is no MRL associated with that pesticide and for that matrix (eg finished product or complexly defined pesticide).

MULTIRESIDUE ANALYSIS LC/MS/MS

Acephate	<0.010 mg/Kg	Acetamiprid	<0.010 mg/Kg	Aldicarb	<0.010 mg/Kg
Aldicarb sulphone	<0.010 mg/Kg	Azoxystrobin	<0.010 mg/Kg	Bendiocarb	<0.010 mg/Kg
Bentazone (Sum of bentazone, its salts and 6-hydroxy (free and conjugated) and 8-hydroxy bentazone (free and conjugated), expressed as bentazone) (R)	<0.010 mg/Kg	Emamectin benzoate B1a, expressed as emamectin	<0.010 mg/Kg	Boscalid (formerly nicobifen)	<0.010 mg/Kg
Butoxycarboxim	<0.010 mg/Kg	Buturon	<0.010 mg/Kg	Carbaryl	<0.010 mg/Kg

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LQ: Limit of Quantification.
According to ISO 8199 and ISO 7218, microbiological counts between 1 and 3 CFU / units (in the volume or weight investigated) will be reported as "organisms present", and those between 4 and 9 CFU / units (in the volume or weight investigated) is reported as "estimated number". As an exception in those cases that there is a Legal Requirement that requires it, it can be reported as 0 or absence.

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LABORATORIO QUÍMICO MICROBIOLÓGICO

ENAC ENSAYOS Nº 498/LE806 Nº 498/LE767 Nº 498/LE1340 Nº 498/LE2160

13-April-2021

AB/MUR/09578/21

DYES

PARAMETER	RESULT	METHOD	TECHNIQUE
Sudan Red 7B (CAS 6368-72-5) *	<0.01 mg/kg	PNTe/LQM/FYQ/090	HPLC/MS/MS
Sudan Red B (CAS 3176-79-2) *	<0.01 mg/kg	PNTe/LQM/FYQ/090	HPLC/MS/MS
Sudan Red G (CAS 1229-55-6) *	<0.01 mg/kg	PNTe/LQM/FYQ/090	HPLC/MS/MS
Toluidine Red (CAS 2425-85-6) *	<0.01 mg/kg	PNTe/LQM/FYQ/090	HPLC/MS/MS

ARTIFICIAL DYES ACCORDING ISO 3632

PARAMETER	RESULT	METHOD	TECHNIQUE
Carminic Acid (CI 75470) *	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Amaranth (CI 16185)	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Yellow 2G (CI 18965)	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Sunset Yellow (CI 15985)	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Quinoline Yellow (CI 47005)	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Azorubine (CI 14720)	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Curcuma *	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Erythrosine (CI 45430) *	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Orange II (CI 15510)	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Red 40 (CI 16035) *	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Rocelin (CI 15620)	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Red 2G (CI 18050) *	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Ponceau 4R (CI 16255)	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS
Tartrazine (CI 19140)	<0.2 mg/Kg	PNTe/LQM/FYQ/88	LC-MS/MS

GARDENIA

PARAMETER	RESULT	METHOD	TECHNIQUE
Gardenia *	NOT DETECTED	PNTe/LQM/FYQ/252	HPLC/QTOF
Detection limit 0.05mg/l			

MOISTURE

PARAMETER	RESULT	METHOD	TECHNIQUE
Loss of weight at 105 ºC	6.6±0.26 %	PNTe/LQM/FYQ/7	Gravimetry-105ºC

TOTAL ASH

PARAMETER	RESULT	METHOD	TECHNIQUE
Total ash	5.5±0.22 %	PNTe/LQM/FYQ/8	Gravimetry

ACID-INSOLUBLE ASH

PARAMETER	RESULT	METHOD	TECHNIQUE
Acid-Insoluble Ash	0.32±0.12 %	PNTe/LQM/FYQ/8	Gravimetry

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LABORATORIO QUÍMICO MICROBIOLÓGICO

ilac-MRA ENAC ENSAYOS Nº 498/LE806 Nº 498/LE767 Nº 498/LE1340 Nº 498/LE2160

13-April-2021

AB/MUR/09578/21

COLD WATER-SOLUBLE EXTRACT

PARAMETER	RESULT	METHOD	TECHNIQUE
Solubility in cold water *	63.4±1.3 % sss	PNTe/LQM/FYQ	Solubility

COLOURING STRENGTH

PARAMETER	RESULT	METHOD	TECHNIQUE
Colouring Strength (440 nm)	205±10	PNTe/LQM/FYQ/87	UV-VIS

PICROCROIN

PARAMETER	RESULT	METHOD	TECHNIQUE
Picrocrocin *	84.4	ISO 3632,1-2	Spectrophotometry DAD

SAFRANAL

PARAMETER	RESULT	METHOD	TECHNIQUE
Safranal *	35.3	ISO 3632,1-2	Spectrophotometry

METALS

PARAMETER	RESULT	METHOD	TECHNIQUE
Arsenic Resultados sin corregir. Recuperación 103.1%	0.11±0.028 mg/Kg	PNTe/LQM/FYQ/234	ICP-MS
Cadmium Resultados sin corregir. Recuperación 100.4%	0.012±0.002 mg/Kg	PNTe/LQM/FYQ/234	ICP-MS
Lead Resultados sin corregir. Recuperación 102.0%	0.12±0.024 mg/Kg	PNTe/LQM/FYQ/239	ICP-MS
Mercury Resultados sin corregir. Recuperación 96.2%	0.016±0.0048 mg/Kg		AAS

MICROBIOLOGICAL DETERMINATIONS

PARAMETER	RESULT	METHOD	TECHNIQUE
Salmonella spp.	Not detected /25g	ISO 6579-1:2017	Detection
Escherichia coli plate count Beta-D-Glucoronidase-positive	<10 CFU/g	ISO 16649-2:2001	Plate count

This report is validated by the following departments: María José Sánchez (R.T.,HPLC), , Raquel Garre (R.T.,GC), María José Sánchez (R.T.,EXTRACCIONES), María José Sánchez (R.T.,BROMATOLOGIA), Carolina Cachinero (R.T.,ICP), Paloma Sanchez (R.T.,MICROBIOLOGIA),

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