



“Afghanistan’s red gold ‘saffron’ termed world’s best”



Prepared By: Harir Saffron Development Team



## General Information about Saffron

Saffron is a spice derived from the flower of *Crocus sativus*, commonly known as the saffron crocus. The vivid crimson stigma and styles used as coloring, aromatic and seductive essence in Classic Greece and Egypt to remedy sleeplessness and reduce hangover caused by wine, and perfume bathing, and as an exotic aphrodisiac spice.

Snowy cold up to  $-18^{\circ}\text{C}$ , mild winter, hot up to  $40^{\circ}\text{C}$  and dry summer, the altitude of 1000m above sea level makes Afghanistan one of the best countries in the world for Saffron agriculture; recently with the export of 12.8% of world market share made Afghanistan third in the ranking of Saffron Production.

Saffron being a labor-intensive harvesting corps, which requires some 200,000 saffron stigmas to be hand-picked from 70,000 crocus flowers for each 1 pound (0.45 kg) of exotic saffron spice.

# Saffron Usages



## Spice or coloring in food preparation and Saffron tea

The spice is widely used as a natural food additive for the coloring and flavoring of foods and beverages, and its coloring properties are attributed mainly to water-soluble carotenoids derived from crocetin metabolites named crocins.



## Materials in pharmaceutical, cosmetic and perfume industries

Saffron has a wide range of usefulness in medicine, cosmetics, and coloring industries; also, it can be used for new drug designs.



## Dye material in textile production

Saffron is a fugitive dye, and to keep the color, the léine will have to be boiled with a few grains of saffron every once in a while to keep it bright. The finished saffron léine and Shinrone gown.

# Afghanistan Saffron

In some parts of Afghanistan, saffron has been highly successful. Well suited to the climate and environment, this exotic spice has established itself amongst farmers, private companies, traders, and buyers as an excellent income generation opportunity.

In 1998, Afghan farmers established saffron trials with four local farmers in semi-arid villages of Pashtoon Zarghon District of Herat Province. By 2007, due to good results and high returns, more than 300 farmers are growing saffron in this district.

In 2020, According to the Afghanistan Chamber of Commerce, Afghanistan exported 25 tons of saffron to the world spice market.

## **Afghanistan Saffron is No. 1 in the world**

<https://www.arabnews.com/node/1602281/world>

## **Afghan saffron is granted the Diamond Taste Award by the International Taste and Quality Institute**

<https://www.ottawa.mfa.af/news/the-afghan-saffron-is-granted-the-diamond-taste-award-by-the-international-taste-and-quality-institute.html>



# Types of Afghan Saffron



**Super Negin**

Super Negin Grade Saffron is the world's most desired and expensive spice. It is commonly used in cooking, baking, medical, and holistic purposes.



**Negin**

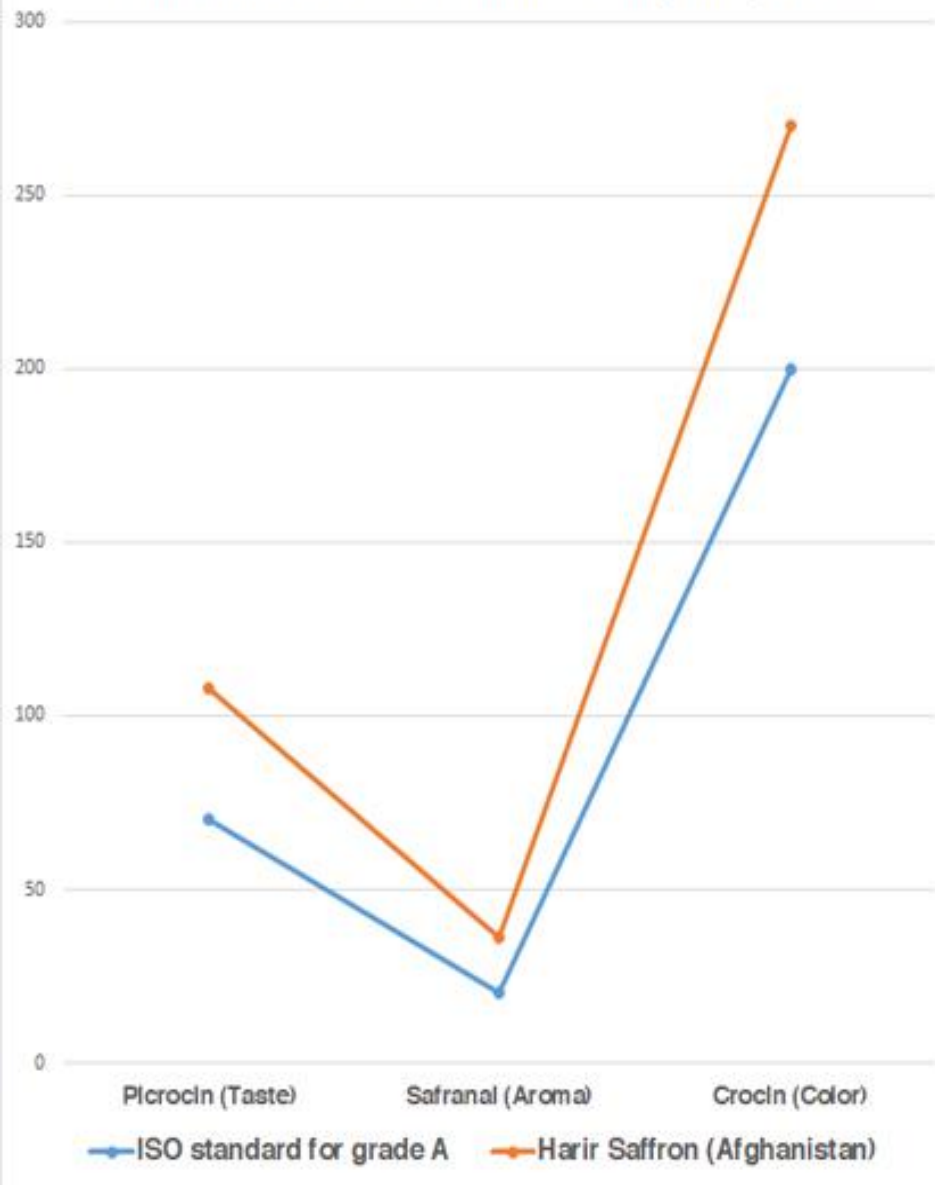
Negin saffron is longer and thicker than common Saffron. It is pure and contains stigma without the style, and is the most expensive Saffron in the world.



**Pushal**

Pushal Saffron contains stigma along with a part of style (yellow part). Pushal saffron is the stigma part of the plant attached to a 1-3 mm style end.

Harir Saffron and ISO standard Quality Comparison



## QUALITY OF AFGHAN SAFFRON

ISO Standard 3632 is the standard that pertains solely to the measurement of saffron quality. According to ISO standards, three main characteristics defines the quality of Saffron:

- **Picrocin:** Picrocin is the compound that gives Saffron its bitter taste.
- **Safranal:** Safranal is a compound responsible for Saffron's floral aroma.
- **Crocin:** Crocin is the chemical primarily responsible for the color of Saffron.

However, other aspects of Saffron that are considered and Afghanistan's Saffron are the best in all.

## HARIR SAFFRON NUTRITION

### Taste:

ISO standard for grade A: **70**

Afghanistan Saffron:  
**108+**

### Aroma:

ISO standard for grade A: **20**

Afghanistan Saffron:  
**36+**

### Color

ISO standard for grade A: **200**

Afghanistan Saffron:  
**268+**



Certified Laboratories  
Highest Quality Saffron  
USA



Government of Afghanistan-  
MAIL  
Premium Quality Saffron



Certified Laboratories of California

### Certificate of Analysis

Full Service Laboratory • Established 1928

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

LAB #: 1791241

REPORT #: 493700  
PROJECT ID: SCA14693-2012-001  
REPORT DATE: 1/5/21  
PRINT DATE: 1/5/21

PRODUCT: SAFFRON

ANALYTE  
COLD WATER SOLUBLE EXTRACT  
ASH  
ACID INSOLUBLE ASH  
MOISTURE

RESULT UNITS  
60.27%  
4.98 %  
0.37 %  
6.04 %

DATE RECEIVED: 12/22/20  
METHOD REFERENCE  
ISO 3632-2  
ISO 3632-2  
ISO 3632-2  
ISO 3632-2  
ISO 3632-2

COLOR IN SAFFRON  
CROCIIN (@ 440NM)  
PICROCROCIIN (@ 257NM)  
SARFANAL (@ 330NM)  
ARTIFICIAL COLOR  
FOREIGN BOTANICAL MATTER  
COMMENTS

238.3 (1%, 1cm)  
103.7 (1%, 1cm)  
32.8 (1%, 1cm)  
NONE DETECTED  
FOREIGN BOTANICAL MATTER  
DIFFERENT PARTS OF SAFFRON RECEIVED WAS MICROSCOPICALLY EXAMINED.  
FOUND IN THE SAMPLE.

ISO 3632-2

Sample Comment: Complies with ISO 3632 specifications for type I saffron (highest quality).  
THE SAMPLE OF SAFFRON RECEIVED WAS MICROSCOPICALLY EXAMINED.  
DIFFERENT PARTS OF SAFFRON PRODUCT (NON- SAFFRON PRODUCT) WERE NOT  
FOUND IN THE SAMPLE.

END OF REPORT

*Robert Yermis*  
Robert Yermis  
Laboratory Director

This report may not be reproduced for advertising or trade purposes over our signature or in connection with our name without prior written approval. Certifications or analytical results reflect sample as received. When sampling is conducted by Certified Laboratories, statistical methods or methods as defined by regulatory agencies are applied but we make no guarantee that the sample is representative of the product as a whole.  
Page 1 of 1  
6460 Dale Street • Buena Park • CA • 90621 • 714.662-8622 • www.certified-laboratories.com



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

C. Nu		002333	
Name/Surname of Company	Sampling Date	Date of The Results	Number
Mohammad Faisal Sidiqi		Dec/06/2020	1233
Sample Type	Export quantity	Export quantity	Destination for export
ECEP HAN TRADING LLC.	Saffron ( Sort first )	100kg	Dubai/ UAE
License No	70559		

No	Description	Specifications Categories					Results	Grade	Final Results
		I	II	III	IV	V			
1	Extremes matter ( mass fraction )	0.5	3	5	0.21	A	A	Test Method Matter 8, AS 627-2015 ISO 3632-2:2010 Matter 9, AS 627-2015 ISO 3632-2:2010 Matter 7, AS 627-2015 ISO 3632-2:2010 Matter 17, AS 627-2015 ISO 3632-2:2010 Matter 14, AS 627-2015 ISO 3632-2:2010 Matter 14, AS 627-2015 ISO 3632-2:2010 Matter 16 & 17, AS 627-2015 ISO 3632-2:2010	
2	Foreign matter	0.1	0.5	1	0.03	A			
3	Moisture And Volatile Matter	10	12	12	6.8	A			
4	Picrocrocin	70	50	40	116.5	A			
5	Safranin	20-30	20-30	20-30	40.3	A			
6	Crocin	200	180	150	270.6	A			
7	Artificial colorants	Absent	Absent	Absent	Absent	A			

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

Sayed Hazzat Alami  
Sub General Manager of Saffron Quality Control Lab  
Ministry of Agriculture, Irrigation & Livestock  
Herat Directorate of Agriculture, Irrigation & Livestock  
Eng. Abdul Saboor Rahmany  
Herat Director of Agriculture, Irrigation and Livestock

لاړونډر کنټرول کیفیت زعفران وزارت زراعت اوبواری و هڅاری - ریاست زراعت اوبواری و هڅاری هرآت  
Quality Control Laboratory Ministry Of Agriculture, Irrigation & Livestock  
Herat Directorate Of Agriculture Irrigation & Livestock







International Taste Institute



Harir Saffron  
Packages



Harir Saffron  
Packages



Harir Saffron  
Packages



Harir Saffron Packages



Harir Saffron Packages



Harir Saffron Packages



# Harir Saffron Packages



Harir Saffron Packages



Harir Saffron Packages



Harir Saffron Packages



Harir Saffron Packages



Harir Saffron Packages



# HARIR SAFFRON'S GLOBAL PRESENCE

## ARIZONA/USA

ECEP HAN NORTH AMERICA  
LLC



## ISTANBUL/TURKEY

ECEP HAN MEDİKAL TEKSTİL  
SANAYİ VE TİCARET LTD. ŞTİ.



## KABUL/AFGHANISTAN

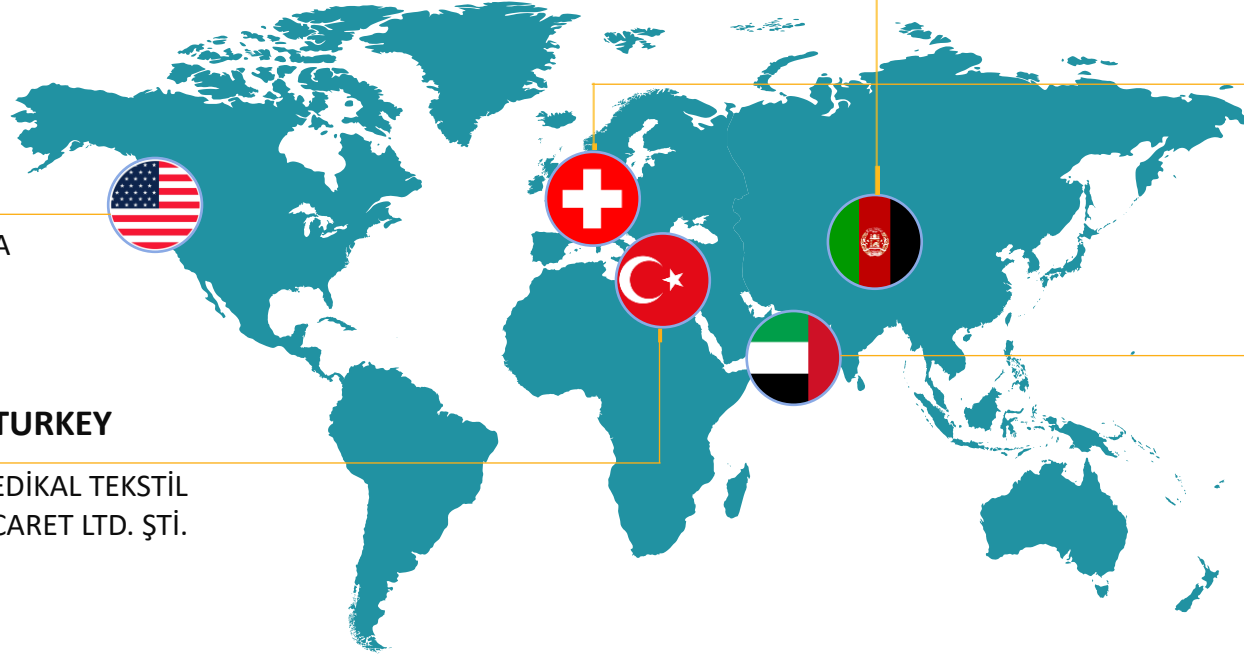
ECEP HAN TRADING LLC

## COLLEX/SWITZERLAND

ECEP HAN INTERNATIONAL  
GENERAL TRADING LLC.

## DUBAI /UAE

ECEP HAN INTERNATIONAL  
GENERAL TRADING LLC.



DATA SHEETS



# Saffron

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Turkey Office:  
ECEP HAN MEDİKAL TEK. SAN. TİC LTD. ŞTİ  
AKÇABURGAZ MAHALLESİ AKÇABURGAZ CADDESİ  
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Super Negin Saffron

General		
Info	Identification	Afghan saffron in terms of quality has been named as the world's best by the International Taste and Quality. Afghanistan's saffron, based on its organic nature, is better than other saffron in the world.
Product Name	Super Negin Saffron	
Place of Cultivation	Afghanistan	
Product Company	ECEP HAN Trading LLC	
Trademark	Harir Saffron	
Packed	ECEP HAN International General Trading LLC	
Compound Classification	100% Organic	

Quality	
Indicators	Identification
Grade	A+ (Although standards calculate up to A grade, but our saffron quality indicator values are way above A grade)
Picrocrocin (Flavor)	108+ (ISO standard for grade A is 70)
Safranal (Aroma)	36+ (ISO standard for grade A is 20)
Crocin (Colour)	268+ (ISO standard for grade A is 200)
Coloring	No artificial coloring agent added
Corm	Extra Long
Purity	100% purity is guaranteed
Land Cultivated	Herat soil which rich in calcium and high content of organic matter

Safety	
Info	Identification
Flammability	Will ignite if overheated. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Corrosivity	Non-corrosive in presence of glass.
Polymerization	Will not occur.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.

Nutrition Facts	
Info	Identification for 100 grams
Energy	353 cal
Carbohydrates	72.8 g
Fat	3.6 g
Protein	15 g
Minerals	
Calcium, Ca	70.6 mg
Iron, Fe	11.1 mg
Sodium, Na	6.4 mg
Calcium, Ca	70.6 mg
Iron, Fe	13.3 mg
Potassium, K	1890 mg
Vitamines (Approximate)	
Thiamin	0.115 mg
Vitamin A, IU	530 IU
Vitamin A, RE	53 mcg_RE
Vitamin B-6	1.3 mg
Vitamin C, ascorbic acid	80.8 mg
Vitamin E	1.69 mg_ATE
Water	11.898 g
Zinc, Zn	1.09 mg



# Saffron

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## Negin Saffron



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General		
Info	Identification	Afghan saffron in terms of quality has been named as the world's best by the International Taste and Quality. Afghanistan's saffron, based on its organic nature, is better than other saffron in the world.
Product Name	Negin Saffron	
Place of Cultivation	Afghanistan	
Product Company	ECEP HAN Trading LLC	
Trademark	Harir Saffron	
Packed	ECEP HAN International General Trading LLC	
Compound Classification	100% Organic	

Quality	
Indicators	Identification
Grade	A+ (Although standards calculate up to A grade, but our saffron quality indicator values are way above A grade)
Picrocrocin (Flavor)	108+ (ISO standard for grade A is 70)
Safranal (Aroma)	36+ (ISO standard for grade A is 20)
Crocin (Colour)	268+ (ISO standard for grade A is 200)
Coloring	No artificial coloring agent added
Corm Size	Long
Purity	100% purity is guaranteed
Land Cultivated	Herat soil which rich in calcium and high content of organic matter

Safety	
Info	Identification
Flammability	Will ignite if overheated. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Corrosivity	Non-corrosive in presence of glass.
Polymerization	Will not occur.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.

Nutrition Facts	
Info	Identification for 100 grams
Energy	353 cal
Carbohydrates	72.8 g
Fat	3.6 g
Protein	15 g
Minerals	
Calcium, Ca	70.6 mg
Iron, Fe	11.1 mg
Sodium, Na	6.4 mg
Calcium, Ca	70.6 mg
Iron, Fe	13.3 mg
Potassium, K	1890 mg
Vitamines (Approximate)	
Thiamin	0.115 mg
Vitamin A, IU	530 IU
Vitamin A, RE	53 mcg_RE
Vitamin B-6	1.3 mg
Vitamin C, ascorbic acid	80.8 mg
Vitamin E	1.69 mg_ATE
Water	11.898 g
Zinc, Zn	1.09 mg

## Pushal Saffron



# Saffron

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General		
Info	Identification	Afghan saffron in terms of quality has been named as the world's best by the International Taste and Quality. Afghanistan's saffron, based on its organic nature, is better than other saffron in the world.
Product Name	Pushal Saffron	
Place of Cultivation	Afghanistan	
Product Company	ECEP HAN Trading LLC	
Trademark	Harir Saffron	
Packed	ECEP HAN International General Trading LLC	
Compound Classification	100% Organic	

Quality	
Indicators	Identification
Grade	A+ (Although standards calculate up to A grade, but our saffron quality indicator values are way above A grade)
Picrocrocin (Flavor)	108+ (ISO standard for grade A is 70)
Safranal (Aroma)	36+ (ISO standard for grade A is 20)
Crocin (Colour)	268+ (ISO standard for grade A is 200)
Coloring	No artificial coloring agent added
Corm Size	Mix of Long and Short
Purity	100% purity is guaranteed
Land Cultivated	Herat soil which rich in calcium and high content of organic matter

Safety	
Info	Identification
Flammability	Will ignite if overheated. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Corrosivity	Non-corrosive in presence of glass.
Polymerization	Will not occur.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.

Nutrition Facts	
Info	Identification for 100 grams
Energy	353 cal
Carbohydrates	72.8 g
Fat	3.6 g
Protein	15 g
Minerals	
Calcium, Ca	70.6 mg
Iron, Fe	11.1 mg
Sodium, Na	6.4 mg
Calcium, Ca	70.6 mg
Iron, Fe	13.3 mg
Potassium, K	1890 mg
Vitamines (Approximate)	
Thiamin	0.115 mg
Vitamin A, IU	530 IU
Vitamin A, RE	53 mcg_RE
Vitamin B-6	1.3 mg
Vitamin C, ascorbic acid	80.8 mg
Vitamin E	1.69 mg_ATE
Water	11.898 g
Zinc, Zn	1.09 mg



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BLOG : [www.harir.af](http://www.harir.af)



YouTube : [Harir Saffron](https://www.youtube.com/HarirSaffron)



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# THANK YOU

