



وزارت علوم، تحقیقات و فناوری
سازمان پژوهش‌های علمی و تخصصی
انستیتو زعفران

Quality Control Laboratory


RESULT FROM OF PHYSIC/CHEMICAL ANALYSIS OF SAFFRON

Name Of Applicant : Mr Babaei	Type Of Saffron : Saffron In Filament Grade I
Name Of Production Unit : Rezast AB	Brand : PARDIS SAFFRON
The Address Of The Applicant : Linngatan 18,41304 Goteborg,Sweden.	Sample Code : 98090010
Date Of Receiving The Sample : 12 Dec 2019	Date Of Results Released : 18 Dec 2019

Characteristic	Analysis Results	Filaments			Test Method
		I	II	III	
Floral Waste (mass fraction), % , max	0.11	0.5	3	5	ISO3632-2, Clause 8
Foreign matter (mass fraction), % , max From non-animals (from other plants) From environment	0.1 Absence	0.1 Absence	0.5 Absence	1.0 Absence	ISO3632-2, Clause 9
Moisture and Volatile matter, % , max	5.8	12	12	12	ISO3632-2, Clause 7
Total ash (mass), on dry matter , % , max	4.8	8	8	8	ISO 928 and ISO 3632-2, Clause12
Acid – insoluble ash (mass fraction), on dry matter , % , max	0.08	1	1	1	ISO 930 and ISO 3632-2, Clause 13
Soluble extract in cold water (mass fraction), on dry matter , % , max	53	65	65	65	ISO 941 and ISO 3632-2, Clause11
A ^{1%} _{1cm} 257 nm, on dry basis, min/max (at this wavelength it has a maximum absorbency of picrocrocine)	91	80	70	50	ISO 3632-2, Clause14
A ^{1%} _{1cm} 330 nm, on dry basis, min/max (at this wavelength it has a maximum absorbency of safranal)	32	20-50	20-50	20-50	ISO 3632-2, Clause14
A ^{1%} _{1cm} 440 nm, on dry basis, min/max (at this wavelength it has a maximum absorbency of crocine)	258	200	180	140	ISO 3632-2, Clause14
Artificial, Water – soluble acidic colorants	Absence	Absence	Absence	Absence	ISO3632-2, Clause15

Remarks:

1-The results relate only to the tested items. 2-The test report shall not be reproduced except in full. 3-The sample is store in laboratory for two month.

Validation Unit	Analyzed by	Reviewed by	Approved by	Laboratory Stamp
Name	Vahideh Sharif	Vahideh Sharif	Hamed Kaveh	
Responsibility	Expert	Technical Manager	Top Manager	
Sign & date	