



CHEMICAL ANALYSIS

BACH NUMBER # PARS SAFFRON Sample weight: 15 gr Date of receiving Sample : 2018-07-15
Name of exporter: TARVAND SAFFRON Date of issuing results: 2018-07-20
SAFFRON:NEGIN

No	Characteristic	Results	Categories				Test Method		
			FILAME NT CUT	FILAMENT				ISIRI NUMBER	
				SUP ERB	1	2			3
1	Moisture and Volatile Matter %(m/m) Max	7.28	10	10	12	12	12	259-2 IRAN Standard	
2	Extraneous Matter (% max) Environmental extraneous matter	0.00 Negative	0.1 negative	1 negative	2 negative	2 negative	2 negative	259-2 IRAN Standard	
3	Total Ash (%m/m) on dry basis max	5.41	5.5	6	7	7	7	1197 IRAN Standard	
4	Ash insoluble in HCL on dry basis (%m/m)	0.4	0.5	1	1.5	1.5	1.5	1253 IRAN Standard	
5	Solubility in Cold water,%(m/m) on dry basis max	56.28	65	65	65	65	65	12185 IRAN Standard	
6	Bitterness/ expressed as direct react reading of the absorbance of Picrocrocin at about 257nm/on dry basis/min	105.28	85	80	70	70	70	259-2 IRAN Standard	
7	Safranal/expressed as direct react reading of the absorbance of Picrocrocin at about 330 nm/on dry basis	45.98	20-50	20-50	20-50	20-50	20-50	259-2 IRAN Standard	
8	Coloring strength expressed as direct reading of the absorbance of Crocin at about 440 nm/on dry basis.min	263.19	220	200	180	150	140	259-2 IRAN Standard	

Remarks: the result of the analysis exclusively limited to the sample delivered to the laboratory which is in according with the standard and the grade **NEGIN**

ANALYST S.HADIZADEH Quality Control	M. AKBARNEJAD Quality Assurance	M. AKBARNEJAD Standard Expert License Number:4010	CERTIFIED
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No	Characteristic	Results	Categories				Test Method	
			CUT FILAMENT CUT	FILAMENT				
				SUPERB	1	2		3
9	Extraction and distinction of the added colors	Negative	Negative	Negative	Negative	Negative	Negative	259-2 IRAN Standard
10	Identification of saffron pigments	5.3	6	6	6	6	6	259-2 IRAN Standard
11	Total Nitrogen content (%m/m) max	2.11	3	3	3	3	3	1522 IRAN Standard
12	Fiber on dry basis (%m/m) max	5.2	6	6	6	6	6	3394 IRAN Standard
13	Marking	suitable	Suitable	Suitable	Suitable	Suitable	Suitable	259-1 IRAN Standard
14	Style with Stigma (%m/m) max	0.38	0.5	5	10	20	30	259-2 IRAN Standard

Remarks: the result of the analysis exclusively limited to the sample delivered to the laboratory which is in according with the standard and the grade **NEGIN**

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MICROBIOLOGICAL ANALYSIS

BACH NUMBER # PARS SAFFRON Sample weight: 15 gr Date of receiving Sample : 2018-07-15
Name of exporter: TARVAND SAFFRON Date of issuing results: 2018-07-20
SAFFRON:NEGIN

NO	Characteristic	Results	ACCEPTABEL RANGE	Test Method
1	enumeration of microorganisms	5.1*10 ²	3*10 ⁵	5272-1 IRAN Standard
2	Enumeration Of ESCHERICHIA	Negative	Negative	2946 IRAN Standard
3	Enumeration Of YEASTS	1.02*10 ²	10 ³	10899-3 IRAN Standard

Remarks: the result of the analysis exclusively limited to the sample delivered to the laboratory which is in according with the standard .

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