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Saffron Co.

SAFFRON

The first Accredited Laboratory & Research Center South Khorasan . IRAN

Analysis Sheet

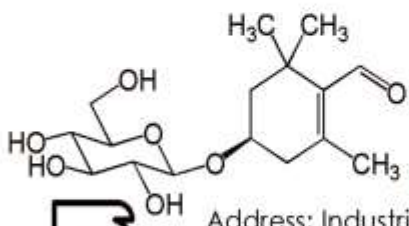
CHEMICAL ANALYSIS

BACH#3399	Sample weight: 15 gr	Date of receiving Sample : 2020-11-19
Name of exporter:		Date of issuing results: 2020-11-22
SAFFRON:NEGIN CAT1 (300 PCS OF TIN BOX 2 gr)		

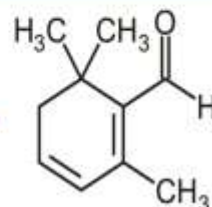
No	Characteristic	Results	Categories				Test Method ISIRI NUMBER	
			CUT FILAMENT	FILAMENT				
				SUP ERB	1	2		3
1	Moisture and Volatile Matter %(m/m) Max	7.00	10	10	12	12	12	259-2 IRAN Standard
2	Extraneous Matter (%max) Environmental extraneous matter	0.00 Negative	0.1 negative	1 negative	2 negative	2 negative	2 negative	259-2 IRAN Standard
3	Total Ash (%m/m) on dry basis max	5.31	5.5	6	7	7	7	1197 IRAN Standard
4	Ash insoluble in HCL on dry basis (%m/m)	0.49	0.5	1	1.5	1.5	1.5	1253 IRAN Standard
5	Solubility in Cold water,%(m/m) on dry basis max	53.21	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	100.39	85	80	70	70	70	259-2 IRAN Standard
7	Aroma/expressed as direct react reading of the absorbance of safranal at about 330 nm/on dry basis	31.28	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	282.37	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 CAT1**

ANALYST S.HADIZADEH Quality Control	M. AKBARNEJAD Quality Assurance	M. AKBARNEJAD Standard Expert License Number:4010	CERTIFIED
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Standard of Iran
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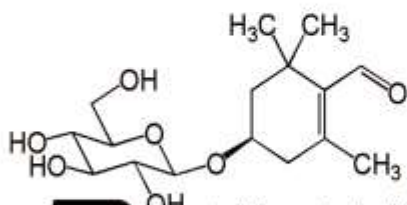
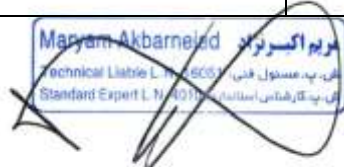
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No	Characteristic	Results	Categories				Test Method ISIRI NUMBER		
			CUT FILAMENT	FILAMENT					
				SUPE RB	1	2		3	4
9	Artificial Colors	Negative	Negative	Negative	Negative	Negative	Negative	259-2 IRAN Standard	
									Amaranth
									Azorubine(Carmoisine)
									Ponceau 4R
									Sunset yellow
									Erythrosine
									Orange II
									Yellow 2G
Tartrazine									
Quinoline									
10	Identification of saffron pigments	5.35	6	6	6	6	6	259-2 IRAN Standard	
11	Total Nitrogen content (%m/m) max	2.41	3	3	3	3	3	1522 IRAN Standard	
12	Fiber on dry basis (%m/m) max	5.39	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	0.3	0.5	5	10	20	30	259-2 IRAN Standard	

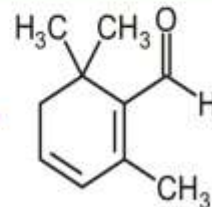
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MICROBIOLOGICAL ANALYSIS

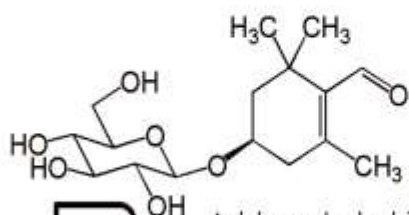
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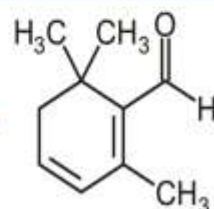
NO	Characteristic	Results	ACCEPTABEL RANGE	Test Method
1	enumeration of microorganisms	4.21 *10³	3*10⁵	5272-1 IRAN Standard
2	Enumeration Of ESCHERICHIA	Negative	Negative	2946 IRAN Standard
3	Enumeration Of YEASTS	<10	10³	10899-3 IRAN Standard

Remarks: the result of the analysis exclusively limited to the sample delivered to the laboratory which is in according with the standard **NEGIN CAT1**

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