



Saffron Chemical and physical Test

Identification Code:	Sampler:	Sampling Date:
Application No.:	Sample Weight:	Issuance Date:
Name of Applicant:	Sample:	

Item	Characteristic	Test Result	Cut filament	Filament				Compliance with national standard
			Privileged	Grade 1	Grade 2	Grade 3	Grade 4	
1	Moisture and Volatile Matter Content (Mass Fraction)	4	10	10	12	12	12	259-2
2	$E_{1\text{ cm}}^{1\%}$ 257 nm, on Dry Basis, (At this wave length, there is Maximum absorbency of Picocrocine)	117/5	85	80	70	70	70	259-2
3	$E_{1\text{ cm}}^{1\%}$ 330 nm, on Dry Basis, (At this wave length, there is Maximum absorbency of Safranal)	41/66	20-50	20-50	20-50	20-50	20-50	259-2
4	$E_{1\text{ cm}}^{1\%}$ 440 nm, on dry basis, (At this wave length, there is Maximum absorbency of Crocine)	279	220	200	180	150	140	259-2
5	Additive color	Negative	Negative	Negative	Negative	Negative	Negative	259-2

Managing Director

Aghil Ghaebi

Quality Control Manager

Najibe jokar

- Only the original report with the laboratory's signature is valid.
- Testing environmental conditions: Temperature 21-25°C, humidity less than 50%
- Storage time for external samples is up to 3 months after testing and for internal samples is up to 6 months after issuing the results.

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