TEJARAT KALA ADIB

SUPER NEGIN

SAFFRON PHYSICAL AND CHEMICAL ANALYSIS RESULTS

Reques ted by: Tejarat Kala Adib	Date of sampling : 05 Jan 2022
Sample code: 400- 267	Date of Test: 05 Jan 2022
Type of Sample : Super Negin Saffron Grade 1	Date of Result Issue: 06 Jan 2022

Characteristics	Result tes t	Cut FILAMENT Momtaz	Categories 1	2	3	4	Test method
style with stigma% (m/m) max	4.6	0.5	5	10	20	30	ISIR 259.2
Extraneousmatter(massfraction)%maxfloral plant waste Foreign matter (mass fraction)% max from non-animals(from other plants)	0.5 negative	0.1 negative	1 negative	1 negative	2 negative	2 negative	ISIR 259.2
Moisture and volatile matter content(mass fraction)%max saffron in powder form	7.9	10	10	12	12	12	ISIR 259.2
Total ash(mass)on dry matter, %max	4.7	5/5	6	7	7	7	ISIR 1197
Acid-insoluble ash (mass fraction), % on dry matter ma	0.49	0/5	1	1/5	1/5	1/5	ISIR 1253
Soluble extract in cold water (mass fraction)on dry mater % max	59	65	65	65	65	65	ISIR 1619
Flavor strengthexpressed as picrocrocin) E1%/1cm 257nm on dry matter min (at this wave length it has maximum absorbency of picocrocin)	84	85	80	70	70	70	ISIR 259.2
Aroma strength (expressed as safranal) E1%/1cm 330nm on dry matter Min/Max (at this wave length it has miximum absorbency of safranal)	30	20-50	20-50	20-50	20-50		ISIR 259.2
Colouring strength (expressed as crocins) E1%/1cm 440nm on dry matter Min (at this wave length it has miximum absorbency of safranal	240	220	200	180	150	140	ISIR 259.2
Extraction and Identification of added colors	Negative	Negative	Negative	Negative	Negative	Negative	ISIR 259.2