



Islamic Republic of Afghanistan  
Ministry of Agriculture, Irrigation and Livestock  
Herat Directorate of Agriculture, Irrigation & Livestock  
Department of Saffron Quality Control Lab



## Quality Certificate of Analysis

The Physical, Chemical and Microbiological Specifications of Saffron in Filaments, Cut- Filaments and Powder forms.

Sample ID Code:	003672	Date of Sampling:	Mar/18/2025
Company Name:	Babae Saffron	Date of Issuing Results:	Mar/19/2025
Name of company director:	Jalil Ahmad Karimi	Export quantity	1 kg
Sample & Type of Product:	Saffron of Filaments (Grade A)	License No	55716
Destination for export:	GERMANY		

No	Characteristics	Results	Requirement/Specification (Iso 3632-1:2010)			Test Method ISO 3632-2:2010
			I	II	III	
1	Extraneous matter (mass fraction), % Max.	0.19	0.5	3	5	Matter 8, AS 627:2015 ISO 3632-2:2010
2	Foreign matter (mass fraction), % Max.	0.02	0.1	0.5	1.0	Matter 9, AS 627:2015 ISO 3632-2:2010
3	Moisture & volatile matter content (mass fraction), % Max.	7.5	10	12	12	Matter 7, AS 627:2015 ISO 3632-2:2010
4	Total ash (mass), on dry matter, % Max.	-	8	8	8	Matter 12, AS 627:2015 ISO 3632-2:2010, ISO 928
5	Acid-insoluble ash (mass fraction), % on dry matter, max.	-	1.0	1.0	1.0	Matter 13, AS 627:2015 ISO 3632-2:2010, ISO 930
6	Soluble extract in cold water (mass fraction), on dry matter, % max.	-	65	65	65	Matter 11, AS 627:2015 ISO 3632-2:2010, ISO 941
7	Flavour strength (Picrocrocin) 257nm, on dry matter, min.	102.3	70	55	40	Matter 14 AS 627:2015 ISO 3632-2:2010
8	Aroma strength (Safranal) 330nm on dry matter, min-max.	30.6	20-50	20-50	20-50	Matter 14, AS 627:2015 ISO 3632-2:2010
9	Colouring strength (Crocine) 440nm, on dry matter, Min	293.4	200	170	120	Matter 14, AS 627:2015 ISO 3632-2:2010
10	Artificial Colorants	Absent	Absent	Absent	Absent	Matter 16&17, AS 627:2015 ISO 3632-2:2010

• This test result is exclusively limited to the above-referred sample only.

Test by:

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Responsible & Specialist of Saffron Quality Control Lab



Confirm by:

Alfhan Azimi

Head of Agricultural Affairs

Remark by:

Alhaj Akhundzadeh Mullah Abdulhai Munir

Director of Herat Agriculture, Irrigation & Livestock



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