

<b>Laboratory</b>	<b>Quality Control Lab. (USMS Saffron Co. Inc.), 32, Himuda Industrial Area, Bhatoli Kalan, Baddi, Distt. Solan, Himachal Pradesh</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>31.10.2014</b>
<b>Certificate Number</b>	<b>T-3179</b>	<b>Valid Until</b>	<b>30.10.2016</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I. FOOD &amp; AGRICULTURAL PRODUCTS</b>				
<b>1. Herbs. Spices and condiments</b>				
<b>a.</b>	<b>Saffron in Filaments and Cut Filaments Forms</b>	Moisture and volatile matter content (mass fraction)	ISO 3632-2:2010 (E) Section 7	4 % to 12 %
		Total ash (mass), on dry matter	ISO 928 (Second edition 1997-12-15)	2 % to 8 %
		Acid-insoluble ash (mass fraction), on dry matter	ISO 930 (Second edition 1997-12-15)	0.1 % to 1 %
		Soluble extract in cold water (mass fraction) , on dry matter	ISO 941 (First edition 1980-02-15)	35 % to 65 %
		Flavour strength (expressed as picrocrocin) A1% 1cm 257 nm, on dry matter	ISO 3632-2:2010 (E) Section 14	30 to 100
		Aroma strength (expressed as safranal) A1% 1cm 330 nm, on dry matter	ISO 3632-2:2010 (E) Section 14	20 to 50
		Colouring strength (expressed as crocin) A1% 1cm 440 nm, on dry matter	ISO 3632-2:2010 (E) Section 14	50 to 350

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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>b.</b>	<b>Saffron in Powder Form</b>	Moisture and volatile matter content (mass fraction)	ISO 3632-2:2010 (E) Section 7	4 % to 10 %
		Total ash (mass), on dry matter	ISO 928 (Second edition 1997-12-15)	2 % to 8 %
		Acid-insoluble ash (mass fraction), on dry matter	ISO 930 (Second edition 1997-12-15)	0.2 % to 1 %
		Soluble extract in cold water (mass fraction), on dry matter	ISO 941 (First edition 1980-02-15)	35 % to 65 %
		Flavour strength (expressed as picrocrocin) A1% 1cm 257 nm, on dry matter	ISO 3632-2:2010 (E) Section 14	30 to 100
		Aroma strength (expressed as safranal) A1% 1cm 330 nm, on dry matter	ISO 3632-2:2010 (E) Section 14	20 to 50
		Colouring strength (expressed as crocin) A1% 1cm 440 nm, on dry matter	ISO 3632-2:2010 (E) Section 14	50 to 350

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