Specification Sheet

Revised Date: 08/20/2025

Product: STD Saffron Extract **Product Name: Zaffronel®**
Product Code: ZAF1

Technical Administrator: Mary Gabriel
Mary Gabriel

PLANT SPECIES: Crocus Sativus L **Part used:** Stigmas
SOURCE: Spain **Harvest Time:** Sept-Oct

Complies with all current USP/NF

Standardization: Ethanol/Water: 80/20 **Residue solvent: <1,000ppm (USP<467>)**

Item	Specification	Method of Analysis
Appearance:	**Red to Rusty Orange powder**	**Visual**
Identity:	**Presence of safranal and crocin**	**UV/Vis (ISO3632-2-2010) Organoleptic, FT-IR**
Odor/Taste:	**Characteristic of Saffron**	

Active Ingredients	**Specification**	**Method of Analysis**
Safranal	**0.03-0.07%**	**HPLC/Internal method**
Crocin	**≥ 4%**	**HPLC/Internal method**
Recommended Dosage (based on study):	**28mg/day**	
Pesticide Evaluation	**Absent/ND**	**GC-MS,USP 31,NF26 & Eur. Pharm(2.8.13)**
Heavy metals	**<5mg/kg**	
Arsenic	**<1.50mg/kg**	
Cadmium	**<0.50mg/kg**	
Copper	**<0.50mg/kg**	**Eur. Pharm (2.4.27)**
Lead	**<0.50mg/kg**	
Mercury	**<1.50mg/kg**	
Zinc	**<0.50mg/kg**	
Granulation/Particle Size		
% thru US #100	**50% max**	**USP36/NF31/Eur.Pharm (2.9.12)**
% thru EU180 µ	**100%**	
Bulk Density	**0. 4-0.7g/ml**	**“ “ (2.9.15)**
PH (in H2O solution)	**4-6**	**“ “ (2.2.3)**
Moisture	**<6.0% max**	**“ “ (2.4.17)**

Microbiological* guaranteed at time of delivery only

Total plate Count	**<10,000 cfu/g (complying w/USP method & Eur.ed.2.6.12)**	**AOAC 966.23**
Yeast and Mold	**<100 cfu/g**	**FDA-BAM 7th ed.**
Coliforms	**<20 cfu/g**	**AOAC 966.23**
E.Coli	**negative**	**AOAC 966.23**
Pseudomones	**negative**	**AOAC /BAM**
Salmonella	**negative**	**AOAC /BAM**
Staph Aureus	**negative**	**AOAC /BAM**

Ingredients: 100% Standardized Saffron Stigmas, no chemicals or additives , No ETO Treatment & No irradiation.
85% native extract and 15% Maltodextrin

Storage Conditions & shelf life:

***Store in a cool, dry place, do not freeze. Shelf life is three (3) years if handled properly (stability study available)**

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