



Specification Sheet

Revised Date: 09/10/2019

Product: STD Saffron Extract 2%	Product Name : Zaffronel®	
Product Code: ZAF2	Technical Administrator: Mary Gabriel Mary Gabriel	
PLANT SPECIES: Crocus Sativus L	Part used: Stigmas Harvest Time: Sept-Oct	
<i>Complies with all current USP/NF</i>		
Standardization: Ethanol/Water: 80/20	Residue solvent: <1,000ppm (USP<467>)	
Source: Select Botanicals C/Bori I Fontesta, 49-08017 Barcelona- Espana (Spain)		
Item	Specification	Method of Analysis

Appearance:	Red to Rusty Orange powder	Visual
Identity :	spectrum must match Saffron IR reference	Botanical ID, chain of custody, Organoleptic, FT-IR
Odor/Taste :	Characteristic of Saffron	

<u>Active Ingredients</u>	<u>Specification</u>	<u>Method of Analysis</u>
Safranal (UV method)	≥2.0%	ISO 3632-2
Crocin	>2.5%	ISO 3632-2
Picrocrocin	>3.0%	ISO 3632-2
Recommended Dosage (based on study): 30mg/day		
<u>Pesticide Evaluation</u>	Absent/ND	GC-MS, USP 31, NF26 & Eur. Pharm(2.8.13)
<u>Heavy metals</u>	<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	
<u>Granulation/Particle Size</u>		
% thru US #100	50% max	USP36/NF31/Eur.Pharm (2.9.12)
% thru EU180 μ	100%	
<u>Bulk Density</u>	0.4-0.7g/ml	“ “ (2.9.15)
<u>PH (in H2O solution)</u>	4-6	“ “ (2.2.3)
<u>Moisture</u>	<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 7 th ed.
Coliforms	<20 cfu/g	AOAC 966.23
E.Coli	negative	AOAC 966.23
Pseudomonas	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)