



Certificate of Analysis

Product and batch Information			
Product name	Saffron extract P powder		
Botanic name	<i>Crocus sativus</i> L.	Active ingredients	Crocins Picrocrocin and Crocetin
Batch	SEP_20240702	Manufacture date	Jul, 20, 2024
Analysis date	Jul, 21, 2024	Report date	Aug, 28, 2024
Expiry date	Jul, 19, 2026		
Item	Specification	Result	Test method
Active ingredient			
Assay(%)	Crocins	43.6±0.2	HPLC
Physical control			
Appearance	Fine powder	Complies	Visual
Color	Red	Complies	Visual
Odor	Characteristics	Complies	Organoleptic
Taste	Characteristics	Complies	Organoleptic
Particle size	100% pass 80 mesh	Complies	80 Mesh screen
Ash	5% Max	2.76%	2g/525 °C/ 5 hrs.
Loss on drying	5% Max	3.34%	5g/105 °C/ 5 hrs.
Part of plant used	Stigma	Conforms	
Extract solvent	Ethanol & Water	Complies	

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Chemical control			
Heavy metals	NMT 10 ppm	Conforms	Atomic absorption
Arsenic (As)	NMT 1 ppm	Conforms	Atomic absorption
Mercury (Hg)	NMT 0.1 ppm	Conforms	Atomic absorption
Lead (Pb)	NMT 3 ppm	Conforms	Atomic absorption
Cadmium (Cd)	NMT 1 ppm	Conforms	Atomic absorption
GMO status	GMO free	Conforms	
Pesticide residues	Meeting USP standard	Conforms	LCMS
Microbiological control			
Total plate count	10,000 cfu/g Max	Conforms	AOAC
Yeast&Mold	300 cfu/g Max	Conforms	AOAC
S.aureus	Negative	Negative	AOAC
E.coli	Negative	Negative	AOAC
Salmonella	Negative	Negative	AOAC
Pseudomonas aeruginosa	Negative	Negative	USP
Packing and storage			
Packing	Pack in a well-closed container away from moisture		
Storage	Pack in a well-closed container away from moisture		
Shelf life	2 years		

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