



Certificate of Analysis

Product and Batch Information			
Product Name:	Nigella Sativa Extract Powder		
Botanic Name:	<i>Nigella damascena</i>	Active Ingredient:	Thymoquinone
Country of Origin:	P.R. China	Batch:	CS-NSE-160106
Manufacture Date:	Jan 06,2016.	Expiry Date:	Jan 05,2018.
Item	Specification	Result	Test Method
Active Ingredients			
Assay(% ,On Dried Based)	TQ \geq 5.0%	5.15%	GC
Physical Control			
Appearance	Fine Powder	Complies	Visual
Color	Yellowish orange to dark orange	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Identification	Positive	Complies	TLC
Loss on Drying	5.0% Max	2.47%	USP
Residue on ignition	5.0% Max	1.35%	USP
Part of Plant Used	Seed	Complies	/
Solvent Used	Ethanol and Purified Water	Complies	/
Chemical Control			
Heavy metals	NMT10PPM	Conforms	Atomic Absorption
Arsenic(As ₂ O ₃)	NMT0.51PPM	Conforms	Atomic Absorption
Mercury(Hg)	NMT 0.5ppm	Conforms	Atomic Absorption
Lead (Pb)	NMT 1ppm	Conforms	Atomic Absorption
Pesticides Residues	Meeting USP requirement	Conforms	Gas Chromatography
Solvents Residual	0.05% Max	Conforms	Gas Chromatography
Microbiological Control			
Total Plate Count	10,000cfu/g Max	Conform	AOAC
Yeast, Mold & Fungi	300cfu/g Max	Conform	AOAC
E.Coli	Negative	Conform	AOAC
Salmonella	Negative	Conform	AOAC
Staphylococcus	Negative	Conform	AOAC
Packing and Storage			
Packing	Pack in paper-drums and two plastic bags inside. 25Kg Drum.		
Storage	Store in a well-closed container away from moisture and direct sunlight.		
Shelf Life	2 years if sealed and stored properly.		

QC:



