



Certificate of Analysis

Material Name	Black Pepper Extract	Report No	KM-554714/9
Botanical Name	<i>Piper nigrum</i>	Production Date	11.03.2020
Party/Lot Number	KM-554719	Exp.Date	11.03.2023
Material	Herbal Extract 100%	Type of extraction	Water
Plant of Material	Fruit	Form	Powder

ANALYSIS	SPECIFICATION	TEST METHOD	RESULT
Assay	20:1Ratio Form	Organoleptic	Conforms

Physical Control

Characters/Appearance	Fine Brownish Powder	Visual	Conforms
Taste	Characteristic	Organoleptic	Conforms
Odor	Characteristic	Organoleptic	Conforms
Mesh Size/Sieve Analysis	N98% Pass 80mesh	80mesh screen	80mesh
Solubility	Aqua	Visual	Conforms
Loss on Drying	NMT<5.0%	TSEN ISO2134	2,95

Chemical Control

Heavy Metals	10ppm Max	Colorimetric method	Conforms
Arsenic(As)	NMT2ppm	Atomic Absorption	Conforms
Lead(Pb)	NMT2ppm	Atomic Absorption	Conforms
Cadmium (Cd)	NMT1ppm	Atomic Absorption	Conforms
Solvent Residues:	Complies with BP	EP8.0<2.4.24>	Conforms
Pesticide residues	Complies with BP	DFG-S19	Conforms
Aflatoxins	Complies with USP	USP39<561>	Conforms

Microbiology Control

	Specification	Method	
Total Plate Count	Max 1000cfu/g	CP2010	<1000cfu/g
Total Yeast & Mold	Max 100cfu/g	CP2010	<100cfu/g
E.Coli	Negative	CP2010	Negative
Salmonella	Negative	CP2010	Negative
Staphylococcus	Negative	CP2010	Negative

Packing&Storage Packed in 25kg bags inside in box.Store in a well closed container away from mouisture.

Shelf Life Three years if sealed and store away from direct sun light.(Temperature:15-20C)



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