



SPECIFICATION

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Review By:Joey

Version No:01

Product name: Beetroot Extract 6% Nitrates			
Botanical Name	Beta vulgaris L. var. rubra	Part	Root
Excipient	Maltodextrin(3%-10%)	Extract Solvent	Ethanol and Water

Item	Standard	Analysis Method
Typical Analysis		
Identification	Positive	TLC
Nitrates	≥8%	UV
Appearance	Purplish red powder	Visual
Particle Size	95% pass 80 mesh	CP2005
Odor & Taste	Characteristic	Organoleptic
Loss on drying	≤5.0%	Ph. Eur. 2.2.32
Ash	≤5.0%	Ph. Eur. 2.4.16
Heavy Metals		
Lead (Pb)	<2.0 ppm	Atomic Absorption
Arsenic (As)	<1.0 ppm	Atomic Absorption
Cadmium (Cd)	<1.0 ppm	Atomic Absorption
Mercury (Hg)	<0.1 ppm	Atomic Absorption
Microorganism		
Total Plate Count	≤ 10,00 cfu/g	Ph. Eur. 2.6.12
Total Yeast & Mold	≤100 cfu/g	Ph. Eur. 2.6.12
Staphylococcus aureus	Negative	Ph. Eur. 2.6.13
Salmonella	Negative	Ph. Eur. 2.6.13
E. coli	Negative	Ph. Eur. 2.6.13
Aflatoxin (∑ B1, B2, G1, G2)	<10ppb	Ph. Eur. 2.8.18
Aflatoxin B1	< 5ppb	Ph. Eur. 2.8.18
Package	25 kg / fiber drum and two plastic bags inside.	
Shelf Life	3 Years When Properly Stored	
Storage	Store in well-closed container at room temperature, protect from moisture & sunlight.	