



Certificate of Analysis

Product Name:	Amaranth Extract	Batch Number:	Varies
Botanical Name:.	<i>Amaranthus caudatus</i>	Manufacture Date:	Varies
Used part:	Seed	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Extract ratio		20:1	20:1
Assay (polysaccharide)		20%	20.05 - 20.14%
Physical	Appearance	Fine powder	Complies
	Color	Yellow brown	Complies
	Odor	Characteristic	Complies
	Taste	Characteristic	Complies
	Particle Size	100% pass 80 mesh	Complies
	Loss on drying	≤ 5.0%	2.44 - 2.56%
	Residue on ignition	≤ 5.0%	3.55 - 3.62%
Chemical	Heavy Metals	≤ 10 ppm	Complies
	Lead (Pb)	≤ 2 ppm	Complies
	Arsenic (As)	≤ 2 ppm	Complies
Microbial	Total Plate Count	≤ 1000 cfu/g	Complies
	Yeast & Mold	≤ 100 cfu/g	Complies
	E. Coli, Salmonella, Staphylococcus	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Two years

