

CERTIFICATE OF ANALYSIS

Product Name	Cranberry Extract Powder		
Botanical Name	Vaccinium Macrocarpon L.		
Used part	Fruit		
Sterilization Method	High temperature sterilization		
Batch Number	20221021	Manufacture Date	20221021
Report Date	20221021	Expiry Date	20241020

Item of Analysis	Specification	Results	Test Methods
Proanthocyanidins (by UV)	≥40%	41.95%	GB
Organoleptic			
Appearance	Powder	Conforms	Organoleptic
Color	Dark Purple fine powder	Conforms	Visual
Odor	Characteristic	Conforms	CP2010
Taste	Characteristic	Conforms	CP2010
Physical Characteristics			
Particle Size	100% pass 80 mesh	80MESH	CP2010
Loss on drying	5%NMT (%)	2.18%	USP<731>
Total ash	5%NMT (%)	2.43%	USP<561>
Bulk Density	45-60g/100mL	52g/100mL	CP2010IA
Heavy metals			
Total Heavy Metals	10ppm Max	Conform	AOAC985.01,16th
Lead (Pb)	2ppm NMT	Conform	AOAC985.01,16th
Arsenic (As)	2ppm NMT	Conform	AOAC985.01,16th
Cadmium (Cd)	2ppm NMT	Conform	AOAC985.01,16th
Mercury (Hg)	0.5ppm NMT	Conform	AOAC985.01,16th
Microbiological Tests			
Total Plate Count	3000cfu/g Max	Conform	USP<61>
Yeast & Mold	300cfu/g Max	Conform	USP<61>
E. Coli.	Negative	Conform	USP<61>
Salmonella	Negative	Conform	USP<61>
Staphylococcus	Negative	Conform	USP<61>

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

