



SPECIFICATION

Product name: Cranberry Extract 20%PACs (BL-DMAC)			
Botanical Name	<i>Vaccinium Macrocarpon Ait.</i>	Plant Part	Fruit
Source of Raw Materials	North America	Solvent Used	Water & Ethanol
Compliance	Food Grade		
Item	Standard	Analysis Method	
Appearance	Red Brown Powder	Visual	
Odor & Taste	Characteristic	Organoleptic	
Typical Analysis			
Identification	Compliant with standard reference	HPLC	
PACs (as Procyanidin A2 equivalent)	≥20%	BL-DMAC	
Particle Size	95% pass 80 mesh	Sieve analysis	
Bulk density	0.25g/ml - 0.65g/ml	Ph. Eur. 2.9.34	
Ash	≤ 5.0%	Ph. Eur. 2.4.16	
Loss on drying	≤ 5.0%	Ph. Eur. 2.2.32	
* Residual solvents			
Ethanol	≤ 5000ppm	GC	
* Contaminants			
Pesticide Residue	Meet the Ph. Eur(2.8.13) Requirements	Ph. Eur(2.8.13)	
Benzo(a)pyrene	≤ 10µg/kg	(EU) 915/2023	
PAH4	≤50µg/kg	(EU) 915/2023	
Aflatoxin (∑ B1, B2, G1, G2)	< 10ppb	Ph. Eur. 2.8.18	
Aflatoxin B1	< 5ppb	Ph. Eur. 2.8.18	
Heavy metals			
Heavy metals	≤ 10ppm	ICP-MS	
Lead (Pb)	≤ 3.0ppm	ICP-MS	
Arsenic (As)	≤ 2.0ppm	ICP-MS	
Cadmium (Cd)	≤ 2.0ppm	ICP-MS	
Mercury (Hg)	≤ 0.1ppm	ICP-MS	
Microorganism			
Total Bacterial Count	<1000cfu/g	Ph. Eur. 2.6.12	
Yeast&Molds	<100cfu/g	Ph. Eur. 2.6.12	
Salmonella	Negative/25g	Ph. Eur. 2.6.13	
E. coli	Negative/10g	Ph. Eur. 2.6.13	
Staphylococcus aureus	Negative/10g	Ph. Eur. 2.6.13	
* Pesticide Residue			
Pesticide Residue	Comply with EC 396-005	GC-MS/LC-MS	
Package	N.W. 25Kgs/fiber drum and two plastic bags inside.		
Shelf life	2 Year When Properly Stored		
Storage	Store in well-closed container at room temperature, protect from light, moisture and pest infestation.		
Remark	The items with * are tested periodically.		