

Technical Data Sheet

SPECIFICATION			
Product Name: Broccoli Seed Extract			
Botanical Name	<i>Brassica Oleracea L.var.italic</i>	Part	Seed
Content	Mixed powder (Glucoraphanin + Myrosinase)		
CAS No.(Sulforaphane)	4478-93-7	Origin	China
Solvent Used	Water		
Item	Standard	Analysis Method	
Appearance	Yellow or White	Visual	
Odor & Taste	Mild,Characteristic	Organoleptic	
Typical Analysis			
Identification	Compliant with standard reference	TLC	
Glucoraphanin	≥13%	HPLC	
Sulforaphane	≥4%	HPLC	
Particle Size	95% through 80 mesh	Sieve analysis	
Ash	≤5%	Ph. Eur. 2.4.16	
Loss on drying	≤ 12.0%	Ph. Eur. 2.2.32	
Contaminants			
Benzo(a) pyrene	≤ 10µg/kg	(EU) 915/2023	
PAH4	≤50µg/kg	(EU) 915/2023	
Aflatoxin (∑ B1, B2, G1, G2)	< 4ppb	Ph. Eur. 2.8.18	
Aflatoxin B1	< 2ppb	Ph. Eur. 2.8.18	
Heavy metals			
Heavy metals	≤ 10ppm	ICP-MS	
Lead (Pb)	≤ 3.0ppm	ICP-MS	
Arsenic (As)	≤ 1.0ppm	ICP-MS	
Cadmium (Cd)	≤ 1.0ppm	ICP-MS	
Mercury (Hg)	≤ 0.1ppm	ICP-MS	
Microorganism			
Total Bacterial Count	<1000cfu/g	Ph. Eur. 2.6.12	
Total Molds Count	<100cfu/g	Ph. Eur. 2.6.12	
<i>Salmonella</i>	Negative/25g	Ph. Eur. 2.6.13	
<i>E. coli</i>	Negative/10g	Ph. Eur. 2.6.13	
<i>Staphylococcus aureus</i>	Negative/10g	Ph. Eur. 2.6.13	
Package	Packed in aluminum foil bag with food grade plastic bags inside. Net Weight: 5Kg		
Shelf life	2 Year When Properly Stored		
Storage	Store in well-closed container at room temperature, protect from light, moisture and pest infestation.		