



Broccoli Seed Extract Powder[®]
(13% Sulforaphane Glucosinolate)

PRODUCT CODE BSPE-13-25

SGS-brand Broccoli Seed Extract Powder is a patented, proprietary extract suitable for use in solid dosage form dietary supplements (tablets and capsules.) The recommended 250 mg serving provides more than 30 mg of sulforaphane glucosinolate (also known as glucoraphanin.) Scientists have identified sulforaphane glucosinolate as the precursor to sulforaphane, a natural, long-lasting antioxidant and detoxifier found in broccoli. Including SGS-brand Broccoli Seed Extract in a dietary supplement is an easy way to supplement the diet with some of broccoli's most important protective constituents.

TYPICAL CHARACTERISTICS

Description	Powder Extract from Broccoli Seeds (approx. 20:1)
Latin Binomial	<i>Brassica oleracea italica</i> (not required when labeling)
Country of Origin	grown in the US; processed in Canada
Particle Size	98% through 80-mesh US
Appearance	off-white to tan powder (with natural variations)
Odor	mild and somewhat characteristic of broccoli

SPECIFICATIONS	LIMITS	METHODS
Sulforaphane Glucosinolate	NLT 13%	HPLC (HILIC)
Moisture	LT 8%	Loss on Drying
Heavy Metals		
Lead (Pb)	LT 1.5 ppm	ICP-MS
Arsenic (As)	LT 2.0 ppm	ICP-MS
Cadmium (Cd)	LT 0.5 ppm	ICP-MS
Mercury (Hg)	LT 0.5 ppm	ICP-MS
Microbiology		
Total Aerobic Plate Count	NMT 1,000 cfu/g	MFHPB-18
Yeast & Mold	NMT 100 cfu/g	MFHPB-22
Coliforms	Negative (LT 5 cfu)	MFHPB- 34
E. coli	Negative (LT 5 cfu)	MFHPB-34
Salmonella	Negative	MFHPB-20
Staph. Aureus	Negative (LT 5 cfu)	MFHPB-21



Canadian MFHPB methods are comparable to APHA methods



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PRODUCTION OVERVIEW	Extracted from our proprietary seeds using a water-based process and then spray-dried. (No organic solvents used.)
STORAGE & HANDLING	Store cool and dry in a tightly closed, opaque container to protect from ambient environment and moisture. (Hygroscopic)
SHELF-LIFE	24 months from date of manufacture when stored in original, sealed container.
PACKAGING	25 kilograms, in tamper-evident steel-rimmed fiber drums lined with two polyethylene bags. Desiccant packs between the bags.
FURTHER INFORMATION	
ALLERGENS	Absence of contact with or content from: milk (or dairy), egg, fish, crustacean shellfish, tree nuts, wheat, peanuts, soy (FALCPA Allergens.)
BSE/TSE	Absence of contact with or content from any animal-source materials. No BSE/TSE-risk material content.
EXCIPIENTS	Maltodextrin (LT 35% wt/wt), silicon dioxide (LT 2% wt/wt.)
GLUTEN	Absence of gluten content (detectable limit 20 ppm.)
GM STATUS	Broccoli is hybridized by traditional agricultural methods and is Non-GM. Maltodextrin is derived from PCR-negative corn starch.
KOSHER	Certified Kosher (U) by the Orthodox Union.
LABELING	“Inside the Box” and “Below the Bar”: Broccoli seed extract powder (13% sulforaphane glucosinolate) or equivalent.
NATURAL ORIGIN	Derived from natural-source ingredients. Suitable for consumption by Vegetarians and Vegans.



SGS-brand is produced by Brassica Protection Products LLC under US Patents 5,725,895; 5,968,505; 5,968,567; 6,177,122; 6,242,018; 6,521,818.
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