

SULFORAPHANE (SFN)

Pure by Nature, Life by Science

HANGZHOU PURELIFE BIOTECH CO., LTD

Premium Sulforaphane Manufacturer & Innovation Leader

WHAT IS SULFORAPHANE?

Sulforaphane (SFN) is a powerful sulfur-rich compound found in cruciferous vegetables such as broccoli, Brussels sprouts, and cabbage. It is formed when glucoraphanin comes into contact with myrosinase enzyme during plant damage. Sulforaphane has gained extensive scientific attention for its potent antioxidant, anti-inflammatory, and cellular detoxification support properties.

Chemical Name: Sulforaphane | **Formula:** C₄H₉NOS₂ | **MW:** 177.29 g/mol | **Source:** Brassica oleracea (Broccoli)

KEY BENEFITS

- ■ **Powerful Antioxidant:** Activates Nrf2 pathway for endogenous antioxidant defense
- **Cellular Detoxification:** Supports phase II detoxification enzymes
- **Neuroprotective:** Supports brain health through antioxidant mechanisms
- ♥ ■ **Cardiovascular Health:** Supports healthy inflammation response
- ■ **Immune Support:** Modulates immune response
- **Healthy Aging:** Promotes cellular defense and reduces oxidative stress

WHY CHOOSE PURELIFE BIOTECH?

- **Premium Quality:** NLT 10% Sulforaphane (Actual: 10.30%)
- **Science-Driven:** Advanced extraction and stabilization technology
- **Natural & Sustainable:** Derived from broccoli, Non-GMO source
- **Reliable Supply:** Consistent production, exported to 50+ countries

CERTIFICATE OF ANALYSIS SUMMARY - BATCH PL260313

PRODUCT SPECIFICATIONS

Parameter	Specification	Test Result
Product Name	Sulforaphane	-
Batch No.	PL260313	-
Botanical Name	Brassica oleracea L. var. varitalica	
Manufacturing Date	2026-MAR-13	-
Expire Date	2028-MAR-12	-
Appearance	Yellowish powder	Conforms
Identification	Positive	Complies
Odor	Characteristic	Complies
Taste	Characteristic	Conforms
Sulforaphane Content	NLT 10%	10.30%

HEAVY METALS

Parameter	Specification	Test Result
Arsenic (As)	NMT 2 ppm	Complies
Cadmium (Cd)	NMT 1 ppm	Complies
Lead (Pb)	NMT 3 ppm	Complies
Mercury (Hg)	NMT 0.1 ppm	Complies

MICROBIOLOGICAL TESTING

Parameter	Specification	Test Result
Total Plate Count	NMT 1000 CFU/g	Complies
Yeast & Mold	NMT 100 CFU/g	Complies
E. coli	Negative/1g	Negative/1g
Salmonella	Negative/10g	Negative/10g
S. aureus	Negative/1g	Negative/1g
Listeria	Negative/25g	Negative/25g

AFLATOXINS

Parameter	Specification	Test Result
Aflatoxin B1	< 2 µg/kg	Negative
Total (B1, B2, G1, G2)	< 4 µg/kg	Negative

■ CONCLUSION: COMPLIES

Batch No.: PL260313 | Manufacturing: 2026-MAR-13 | Expire: 2028-MAR-12 | Quantity: 50 KGS | Extraction: Alcohol & Water

PRODUCT FORMS AVAILABLE

Form	Description	Applications
Sulforaphane Powder	Standardized 10%+	Capsules, tablets
Glucoraphanin + Myrosinase	Two-part SFN system	Functional foods
Broccoli Seed Extract	Natural SFN precursor	General supplements
Water-Soluble	Enhanced solubility	Beverages

APPLICATIONS

- **Dietary Supplements:** Antioxidant, detoxification support
- **Functional Beverages:** Health drinks, wellness shots
- **Food & Nutrition:** Fortified foods, meal replacements
- **Cosmetics:** Anti-aging, detoxifying formulations
- **Pet Nutrition:** Senior pet cellular health
- **Research:** Oncology, detoxification studies

PACKAGING & STORAGE

Packaging: 1kg vacuum foil bag | 5/10/20kg drum | 5kg/Bottle available
Storage: Sealed, dry, light-proof, room temperature | Shelf life: 24 months

QUALITY ASSURANCE

Every batch undergoes rigorous testing: HPLC sulforaphane analysis, heavy metal screening, microbiological testing, aflatoxin testing, and stability testing.

Standards: Enterprise Standards | GMP | ISO 22000 | HACCP | Kosher | Halal

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Document Version: 1.0 | Last Updated: May 2026