

CERTIFICATE OF ANALYSIS

Product Name	Black Garlic Extract	Batch No.	QY-HDSG20250924
Botanical Source	<i>Allium nigrum L.</i>	Manufacturing Date	2025-09-24
Plant Part	Bulbs	Expiration Date	2028-09-23

Item	Specification	Result	Method
Assay	S-allylcystein 0.1%	0.12%	
Physical & Chemical Data			
Appearance	Brown Fine Powder	Conforms	Organoleptic
Odor & Taste	Characteristic	Conforms	
Analytical Quality			
Identification		Identical	TLC
Sieve	NLT 95% Through 80 mesh	Conforms	Mesh Screen
Extract Solvent	Ethanol & Water	Conforms	
Loss on Drying	≤5.0%	3.15%	CP2020
Ash	≤5.0%	3.77%	CP2020
Bulk Density	0.30~0.70g/ml	Conforms	CP2020
DER	10:1	Conforms	
Benzo(a)pyrene	≤ 10 µg/kg	Conforms	
Sum PAH 4 Benzo(a)pyrene, Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene	≤ 50 µg/kg	Conforms	
Pesticide Residue			
BHC	≤0.2ppm	Conforms	GC-MASS
DDT	≤0.2ppm	Conforms	GC-MASS
PCNB	≤0.1ppm	Conforms	GC-MASS
Total Heavy Metals	≤10ppm	Conforms	Colorimetry
Arsenic(As)	≤2ppm	Conforms	AAS

Lead(Pb)	≤2ppm	Conforms	AAS
Mercury(Hg)	≤0.1ppm	Conforms	AAS
Cadmium(Cd)	≤1ppm	Conforms	AAS
Microbiological Tests			
Total Plate Count	≤10000cfu/g	Conforms	CP2020
Yeast & Mold	≤300cfu/g	Conforms	CP2020
E.Coli	Negative	Negative	CP2020
Salmonella	Negative	Negative	CP2020
Staphylococcus	Negative	Negative	CP2020