SATTVA BOTANICALS

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PRODUCT SPECIFICATION

Technical Data Sheet

SAT/GIN/25-26/004

PRODUCT NAME Ginger Extract 5%	SCIENTIFIC / BOTANICAL NAME Zingiber officinale
PLANT PART USED Rhizome	BATCH NUMBER SAT/GIN/25-26/004
MANUFACTURING DATE January 2026	EXPIRY DATE January 2029
EXTRACTION METHOD Supercritical CO2	EXCIPIENTS / ADDITIVES Maltodextrin

Physical profile

SPECIFICATION AND TEST PROTOCOL

PARAMETER	SPECIFICATION	TEST PROTOCOL
Appearance	Light to golden yellow colored powder	Visual
Odor	Characteristic	Sensory
Identification	Should match reference standard	By TLC
Particle Size	NLT 95% w/w passing 40 mesh	USP ‹786›
Loss on Drying	NMT 5% w/w	USP ‹921›
Bulk Density	Loose: NLT 0.3 g/ml; Tapped: NLT 0.4 g/ml	USP ‹616›

Phytochemical analysis

ACTIVE CONSTITUENT

PARAMETER	SPECIFICATION	TEST PROTOCOL
Total Gingerols	NLT 5% w/w	By HPLC

QUALITY PROFILE

Safety and compliance.

GINGER EXTRACT 5%

Heavy metal analysis

SHARED ACCEPTANCE PROFILE

PARAMETER	SPECIFICATION	TEST PROTOCOL
Total Heavy Metals	NMT 10.0 ppm (µg/g)	USP ‹233›
Lead	NMT 3.0 ppm (µg/g)	USP ‹233›
Arsenic	NMT 2.0 ppm (µg/g)	USP ‹233›
Cadmium	NMT 1.0 ppm (µg/g)	USP ‹233›
Mercury	NMT 0.1 ppm (µg/g)	USP ‹233›

Microbiology profile

SHARED ACCEPTANCE PROFILE

PARAMETER	SPECIFICATION	TEST PROTOCOL
Total viable aerobic count	NMT 1000 Cfu/g	USP ‹61›
Yeast and Mold	NMT 100 Cfu/g	USP ‹61›
Escherichia coli	Negative	USP ‹62›
Salmonella	Negative	USP ‹62›
Coliforms	Negative	USP ‹62›

Additional details

HANDLING AND DECLARATION

SANITIZING TREATMENT
Non-irradiated and not treated with ETO

GENETIC MODIFICATION STATUS
GMO Free

CERTIFICATE OF ORIGIN
India

CULTIVATED/WILD HARVEST
Cultivated

STORAGE CONDITIONS
Store at room temperature in an airtight container, avoiding exposure to moisture

ALLERGEN DECLARATION
Material does not contain any allergen components (Reg EU No 1169/2011)

PACKAGING
Packed in 25 kg HDPE drums with food-grade liner