

Batch Number:

20250605-NGST30TSF



## TECHNICAL DATA SHEET

### Product Information

**Product Name:** Black cumin SFE extract (origin: Turkey), PN AF-NGST30TSF

**Scientific name:** *Nigella sativa*

**Parts utilized for extraction:** Seeds (crushed)

**Appearance:** Orange-brown oil (solidifies <2 °C)

**Odor:** Characteristic of thymoquinone

**Organic certification:** Yes



### Raw Material Specification

Analysis	Method	Result
Total ash for herb	Ph. Eur. (2.4.16)	<4%
Pesticides	GC/MS, LC-MS/MS	Complies with Ph. Eur. (2.8.13)
Aflatoxins (G1, G2, B1, B2)	AOAC 999.07	Complies with Ph. Eur. (2.8.18)
Ochratoxin A	AOAC 2004.10	Complies with Ph. Eur. (2.8.22)
Benzo(a)pyrene (PAH)	JOSS 2002 <b>25</b> , pp. 96–100	N.D.

### Extract Specification

Analysis	Method	Specification	Result
<b>Thymoquinone (CAS 490-91-5)</b>	<b>HPLC (In-house method)</b>	<b>&gt;2%</b>	<b>2.3%</b>
Loss on drying (%)	Ph. Eur. (2.8.17)	<5%	4.4%
Arsenic (As)	ICP-OES (In-house method)	N.D. (< 1 ppm)	N.D.
Cadmium (Cd)		N.D. (< 3 ppm)	N.D.
Lead (Pb)		N.D. (< 1 ppm)	N.D.
Mercury (Hg)		N.D. (< 0.1 ppm)	N.D.
Total aerobic microbial count (cfu/g)		ISO 4833-1	<10000
Yeast & mold (cfu/g)	ISO 21527-2	<100	Complies
<i>Escherichia coli</i>	ISO 16649-2	N.D. (in 1 g)	N.D.
<i>Salmonella</i>	ISO 6579	N.D. (in 25 g)	N.D.
<i>Pseudomonas aeruginosus</i>	ISO 13720	N.D. (in 1 g)	N.D.
<i>Staphylococcus aureus</i>	ISO 6888-1	N.D. (in 1 g)	N.D.

### Additional Data

**Storage conditions:** Store in cool and dry place, keep away from intense light and high heat.

**Carrier:** None. This product does not contain any additives or carriers and is wholly extracted from raw material.

**Packaging:** 1–5 kg/bottle, 10–25–50 kg/drum

**Shelf life:** 24 months

Black cumin SFE extract (*Nigella sativa*), product number AF-NGST30TSF