

**DELASS NATURAL PRODUCTS****Extraction unit
Document of Specification****Product:** Ginger water glycerin extract (1:20-30 (g:g))**Herbal Preparation Form :** Liquid**Category:** Herbal extract (API)**Product Code:** 30SS00107

1. Description

- **Botanical Name**

Zingiber officinale Roscoe.

- **Common Names**

Zingiber, Ginger, Zangabeel.

- **Plant part used:**

The dried rhizome of *Zingiber officinale Roscoe*, scraped, partially scraped, or unscraped.

- **Extraction Solvent**

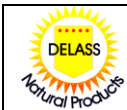
Water- Glycerine.

- **Characteristics**

Limpid to opalescent brown liquid with characteristic odour and taste of Ginger.

2. Tests

Test Name	General Test Source	Acceptable Limits
Identification (A)	HSE	Meet the requirements of the test.
pH	Ph.Eur (2.2.3)	4.5 – 7.0
Weight per millilitre	BP (G245)	1.100 – 1.150 g/ml
Water Content	Ph.Eur (2.5.12)	45 % – 55 %
Refractive index	Ph.Eur (2.2.6)	1.3940 – 1.4090
Assay of Sodium Benzoate (Preservative)	HSE	0.18 – 0.22 mg/100 mg.
Content of <i>Gingerols</i> and <i>Shogaols</i>	HSE	0.15 - 0.40 mg/g.
Microbial limit	Ph. Eur. (5.1.8)	- Total viable aerobic count: NMT 10 ⁴ cfu/ml. - Fungi: NMT 10 ² cfu/ml. - <i>Enterobacteria</i> and other certain gram-negative bacteria: NMT 10 ² cfu/ml. - Absence of <i>Salmonella</i> and <i>E. coli</i> .



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3. Additional Tests

Test Name	General Test Source	Acceptable Limits
Heavy metals	Ph.Eur (2.4.27)	Cadmium: maximum 1.0 ppm. Lead: maximum 5.0 ppm. Mercury: maximum 0.1 ppm.
Aflatoxins	USP <561>	NMT 5ppb for Aflatoxin B1. And NMT 20ppb for the sum of Aflatoxins B1, B2, G1 and G2.
Pesticide Residues	BS EN 15662-2008	Meets the Maximum Residue Limits in CODEX and European Commission Pesticide database
Radiation contamination	USP <821>	Not more than 370Bq/Kg (Cs134+ Cs137).

* Additional tests are ensured by regular monitoring of the herbal drug.

Note: All pharmacopoeial test sources listed conform to the latest pharmacopoeial edition supplement or amendment issued.

LRN: Latest Revision Number.

HSE: House Specification.

4. Available Package Forms

Package Form	Primary Package	Secondary Package
Containers of 30 Kg.	30 Kg HDPE container.	Label.

5. Shelf Life

- 18 months.

6. Storage

- Do Not store above 30°C, Protected from light.