



MATERIAL SAFETY DATA SHEET

1. Product Identification:

Product Name:	Nettle Root/Leaf Standardized powdered extract – 1% Silica
Herbal Strength:	Approx 8 parts of roots to 1 part of extract.
Botanical Name:	<i>Urtica dioica</i>
Synonyms:	<i>Urticae herba, Urticae radix</i>
INCI Name:	Urtica dioica (nettle) extract
County of Origin:	China

2. Classification:

Chemical Identification: Extract, nettle

24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

3. Hazardous Ingredients Information:

N/A

4. Physical & Chemical Properties:

Appearance:	Fine brown to yellow-brown powder.
Odor:	Characteristic odor.
Solubility:	Partially soluble in hydro-alcoholic solutions.
Mesh Size:	NLT 90 % through 80 mesh-size.
Assay:	NLT 1 % silica
Ash Content:	NMT 5 %
Moisture Content:	NMT 5 %
Heavy Metals:	NMT 10 ppm
Organics Residues:	NMT 1 ppm
Pesticides Residues:	NMT 1 ppm
Solvent Residues:	NMT 0.20 %
Total Plate Count:	NMT 1000 cfu/g
Total Yeast & Mold:	NMT 100 cfu/g
E. Coli:	Negative
Salmonella	Negative
Staphylococcus:	Negative
Method of Extraction:	Hydro-alcoholic extraction of the macerated dried leaf/roots.
Extraction Solvent:	70 % v/v Grain alcohol.
Constituents:	isoquercitin, rutin, lectins, polysaccharides, sterols, sterol glucosides, lignans, ceramides, monoterpene diols, glucosides, silica, urticin
Shelf-life:	2 years if sealed and store away from direct sunlight.

5. Fire/Explosion Hazard:

Non-flammable.

6. Reactivity/Stability Data:

Reactivity: Stable.

Decomposition: When heated to decomposition produces carbon dioxide and monoxide smoke.

7. Toxicological Properties/Information:

Small particles can be irritating to the mucus membrane.

8. Preventive Data:

Spillage: Wash with copious amounts of water into sanitary sewer or mop up and wash down area.

Environment: Sanitary sewer or landfill is in accordance with local, state, and federal-pollution regulations.

Storage: Pack in aluminum foil bag with plastic bag inside.

Store in a well-closed container away from moisture and direct sunlight.

9. First Aid Measures:

Eye contact: Flush with water for at least 10 minutes.

Inhalation: Avoid casual breathing.

Ingestion: Rinse mouth.

Skin contact: Wash with soap and plenty of water.

11. Individual Protection:

Avoid breathing in product – small particles can be a nuisance.

Wear dusk mask, gloves, goggles and overall.

12. Preparation Information:

Quality Assurance

New Directions Aromatics Inc.

Brampton ON, L7A 1C5

Revision Date: 24th May 2007

Disclaimer

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CERTIFICATE OF ANALYSIS

PRODUCT: NETTLE LEAF/ROOT P.E. 1%

PRODUCT NO: 27040

LOT NO: 27040-A02

	Specifications:	Results:
Appearance:	Fine brown powder.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Partially soluble in hydro-alcoholic solutions.	Complies
Mesh Size:	NLT 90 % through 80 mesh-size.	Complies
Assay:	NLT 1 % silica	Complies
Ash Content:	NMT 5 %	Complies
Moisture Content:	NMT 5 %	Complies
Heavy Metals:	NMT 10 ppm	Complies
Organics Residues:	NMT 1 ppm	Complies
Pesticides Residues:	NMT 1 ppm	Complies
Solvent Residues:	NMT 0.01 %	Complies
Total Plate Count:	NMT 1000 cfu/g	Complies
Total Yeast & Mold:	NMT 100 cfu/g	Complies
E. Coli:	Negative	Complies
Salmonella	Negative	Complies
Staphylococcus:	Negative	Complies

CERTIFICATE OF ANALYSIS

PRODUCT: NETTLE LEAF/ROOT P.E. 1%

PRODUCT NO: 27040

LOT NO: 27040-A03

Specifications:

Results:

Appearance:	Fine brown powder.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Partially soluble in hydro-alcoholic solutions.	Complies
Mesh Size:	NLT 90 % through 80 mesh-size.	Complies
Assay:	NLT 1 % silica	Complies
Total Plate Count:	NMT 1000 cfu/g	Complies
Total Yeast & Mold:	NMT 100 cfu/g	Complies
E. Coli:	Negative	Complies
Salmonella	Negative	Complies