



Certificate of Analysis

N. Rev.  
00/2022

NETTLE DRY EXTRACT 1% BETA-SITOSTEROL

Vivatis Code Number: **To be assigned**

<b>Botanical source</b>	<i>Urtica dioica</i> L.	<b>Plant part</b>	Leaf
<b>Batch No</b>	N20230211	<b>Batch quantity</b>	500 kg
<b>Manufacture date</b>	11/02/2023	<b>Expire date</b>	10/02/2025

Characteristic	Specification	Method	Result
<b>Appearance</b>	Brown yellow fine powder	Visual	Conforms
<b>Odor&amp;taste</b>	Characteristic	Organoleptic	Conforms
<b>Particle size</b>	95% pass 80 mesh	80 Mesh Screen	Conforms
<b>Identification</b>	Positive	TLC	Conforms
<b>Assay</b>	Beta-sitosterol $\geq$ 1.0%	HPLC	1.02%
<b>Loss on drying</b>	$\leq$ 5.0%	CP2015	3.5%
<b>Residue on Ignition</b>	$\leq$ 10.0%	CP2015	3.45%
<b>Bulk density</b>	0.3 - 0.6g/ml	CP2015	Conforms
<b>Tap density</b>	0.5 - 0.9g/ml	CP2015	Conforms
<b>Contaminants</b>			
<b>Residual solvents</b>	Meet EP standard	EP 9.0	Conforms
<b>Heavy Metals</b>	NMT 10ppm	AAS	< 10ppm
<b>Lead (Pb)</b>	NMT 3ppm	AAS	< 3ppm
<b>Arsenic (As)</b>	NMT 2ppm	AAS	< 2ppm
<b>Mercury (Hg)</b>	NMT 0.1ppm	AAS	< 0.1ppm
<b>Cadmium (Cd)</b>	NMT 1ppm	AAS	< 1ppm
<b>Microbiological</b>			
<b>Total plate count</b>	NMT 10,000cfu/g	CP2015	< 1000 cfu/g
<b>Total Yeast &amp; Mold</b>	NMT 100cfu/g	CP2015	< 100 cfu/g
<b>E.coli</b>	Negative	CP2015	Conforms
<b>Salmonella</b>	Negative	CP2015	Conforms
<b>Staphylococcus</b>	Negative	CP2015	Conforms

<b>Statements</b>	Non-GMO, Non-Irradiation, Allergen free
<b>Packaging</b>	Packed in all paper drums with two plastic-bags
<b>Storage conditions</b>	Keep in cool & dry place. Stay away from strong sun light and heat
<b>Shelf life</b>	24 months