



## Red Clover Extract

Code No. C015-8%

### Product Identification

**Latin Name** *Trifolium pratense L***Plant Part Used** Leaves & Flowers

ITEMS	SPECIFICATION	TEST METHOD
<b>Appearance</b>	Yellow brown fine powder	Visual
<b>Odor &amp; Taste</b>	Characteristic of the plant	Organoleptic
<b>Identification</b>	Positive	TLC
<b>Isoflavones</b>	≥8%	HPLC
<b>Extract ratio</b>	30:1	In house
<b>Extraction solvent</b>	Ethanol & pure water	GC
<b>Loss on Drying</b>	≤ 5.0 %	105°C/3hrs
<b>Ash</b>	≤ 5.0 %	575°C/3hrs
<b>Powder Size</b>	≥ 95% through 80 mesh	USP
<b>Total Heavy Metals</b>	≤ 20 µg/g	USP42-NF37<231>
<b>Lead (Pb)</b>	≤ 3.0 µg/g	AAS
<b>Arsenic (As)</b>	≤ 2.0 µg/g	AAS
<b>Mercury (Hg)</b>	≤ 0.1µg/g	AAS
<b>Cadmium (Cd)</b>	≤ 0.5 µg/g	AAS
<b>PAHS</b>	< 50ppb	HPLC
<b>Benzopyrene</b>	< 10ppb	HPLC
<b>Total Plate Count</b>	≤ 1000 cfu/g	USP42-NF37<2021>
<b>Molds and Yeasts</b>	≤ 100 cfu/g	USP42-NF37<2021>
<b>Salmonella</b>	Absence/25g	USP42-NF37<2022>
<b>E. Coli</b>	Negative	USP42-NF37<2022>
<b>Staphylococcus aureus</b>	Negative	USP42-NF37<2022>
<b>Non-GMO , Non -ETO , Non-Irradiation</b>		

### The standard of KEPLER

**Storage** Store in a well-closed package away from moisture, direct light and heat.  
at a temperature of ambient storage conditions.

**Package** packing in paper-drums and two sealed plastic-bags inside.

**Shelf life** 24 Month.