



TAMAQUA PA 18252

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CERTIFICATE OF ANALYSIS

IDENTIFICATION

Product Name: Echinacea Purpurea Herb Extract 4:1
Botanical Name Echinacea Purpurea
Part Used Dried Herb
Origin: Poland

ANALYSIS

Description
Identification
Color
Taste
Odor
Loss on Drying
Heavy Metals

(Pb)

(As)

Extraction Method
Mesh Size

SPECIFICATION

Powder
Positive
Light Greenish
Characteristic
Characteristic
10%
≤10ppm
≤3ppm
≤1ppm
Water
95% through 60 mesh

RESULT

Powder
Standard
Green
Conform
Conform
8.00%
<10ppm
<1ppm
<1ppm

TEST

Visual
TLC
Visual
Organoleptic
Olfactory
5g/105C/2hrs

Herbal Strength

Phenolic compounds

Extract Ratio 4:1 (Parts of Botanical: Parts of native extract)

Microbiological Counts

Total Plate Count	≤200,000cfu/g	15,000cfu/g	FDA BAM 8th
Yeast	≤1,000cfu/g	100cfu/g	FDA BAM 8th
Mold	≤1,000cfu/g	100cfu/g	FDA BAM 8th
Coliforms	≤100cfu/g	100cfu/g	FDA BAM 8th
E. coli	Absent/10g	Absent/10g	USP <2021>
Salmonella	Negative/25g	Negative/25g	AOAC 998.09

Storage:

Store in a tightly, sealed container in a cool and dry area.

Keep away from strong light and heat.

This product is Non-GMO.

This product is not treated with ETO, nor is it Gamma irradiated