



TAMAQUA PA 18252

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**CERTIFICATE OF ANALYSIS**

**IDENTIFICATION**

**Product Name:** Milk Thistle Extract Powder 4:1  
**Botanical Name:** Silybum Marianum  
**Part Used:** Seeds  
**Origin:** Bulgaria

**ANALYSIS**

**SPECIFICATION**

**RESULTS**

**TEST**

<b>Description</b>	Powder	Conform	Visual
<b>Identification</b>	Positive	Standards	TLC
<b>Color</b>	Speckled Tan	Conform	Visual
<b>Taste</b>	Characteristic	Characteristic	Organoleptic
<b>Odor</b>	Characteristic	Characteristic	Olfactory
<b>Moisture</b>	≤10.0%	5.0%	AOAC
<b>Heavy Metals</b>	≤15ppm	<15ppm	ICP-MS
	(Pb)	≤2.0ppm	0.800ppm
	(As)	≤1.0ppm	0.540ppm
<b>Extraction Method</b>	Water		
<b>Mesh Size</b>	100% through USS a 40 mesh		

**EXTRACT RATIO**

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

**MICROBIOLOGICAL**

<b>Total Plate Count</b>	≤120,000cfu/g	25,000cfu/g	FDA BAM
<b>Yeast</b>	≤1,000cfu/g	100cfu/g	FDA BAM
<b>Mold</b>	≤1,000cfu/g	500cfu/g	FDA BAM
<b>Coliforms</b>	≤100cfu/g	100cfu/g	FDA BAM
<b>E. coli</b>	Absent/10g	Absent/10g	USP <2021>
<b>Salmonella</b>	Negative	Negative	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**