



TAMAQUA PA 18252

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CERTIFICATE OF ANALYSIS

IDENTIFICATION

Product Name: Hawthorne Berry Extract Powder 4:1
 Botanical Name: Crataegus Oxyacantha
 Part Used: Berries
 Origin: Bulgaria

ANALYSIS

SPECIFICATION

RESULT

TEST

Description	Powder	Powder	Visual
Identification	Positive	Conform	FTIR
Color	Brown-Ochre	Ochre	Visual
Taste	Characteristic	Conform	Organoleptic
Odor	Characteristic	Conform	Organoleptic
Moisture	3-5%	5.0%	AOAC
Heavy Metals	≤10ppm	≤10ppm	ICP-MS
(Pb)	≤2.0ppm	0.5ppm	
(As)	≤1.0ppm	0.8ppm	
(Cd)	≤1ppm	<0.2	
(Hg)	<0.5ppm	<0.05ppm	
Extract Solvent	Water		
Mesh Size	90% through USS 60 mesh		

EXTRACT STRENGTH

Vitexin
 Extract ratio 4:1 (Parts of Botanical: Parts of native extract)

MICROBIOLOGICAL

Total Plate Count	≤70,000cfu/g	Conform	AOAC 966.23
Yeast	≤1,000cfu/g	Conform	FDA BAM 8 th
Mold	≤1,000cfu/g	Conform	FDA BAM 8 th
Coliforms	≤100cfu/g	Conform	AOAC 991.14
E. coli	Absent/10g	Absent/10g	USP <2022>
Salmonella	Negative/25g	Negative/25g	FDA BAM 8 th
Pesticides & Herbicides	Negative	Negative	Meets Fed Stand

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.