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CERTIFICATE OF ANALYSIS

Version# LAYN (JY) 852-C0

Product Name:	Epimedium Extract Icarin 10%	Item code:	EGE03
Common Name:	Epimedium Extract	Batch Number:	EGE03-20090605
Raw Material:	Dried Epimedium leaf	Manufacture Date:	September 6, 2020
Botanical Name(Raw Material):	Epimedium Brevicornu Maxim	Report Date:	September 11, 2020
Country of Origin (Raw Material):	China	Retesting Date:	September 5, 2023
Country of Origin (Manufacturing):	China	Extraction Solvent:	Water
Declarations:	Non-GMO, non-Irradiated, non-EtO	Carrier:	None
Storage:	Storage at room temperature, seal tightly, keep from moisture and strong light		

PARAMETER	SPECIFICATION	METHOD	TEST RESULT
<u>Organoleptic Test</u>			
Color	Brown	Layn Sensory Testing Method	Complies
Appearance	Fine powder	Layn Sensory Testing Method	Complies
Odor & Taste	Characteristic without off-flavor	Layn Sensory Testing Method	Complies
<u>Analytical Data</u>			
Icarin, %	≥ 10.0	Layn Icarin Testing Method	10.37
Loss on drying, %	≤ 5.0	GB 5009.3	2.49
Ash, %	≤ 5.0	GB 5009.4	1.36
<u>Solvents Residue</u>			
*Ethanol, mg/kg	≤ 3,000	CP 2015 0861	Complies
*Methanol, mg/kg	≤ 200	CP 2015 0861	Complies
<u>Heavy Metals</u>			
*Arsenic (As), mg/kg	≤ 1.0	GB 5009.268	Complies
*Lead (Pb), mg/kg	≤ 1.0	GB 5009.268	Complies
*Cadmium (Cd), mg/kg	≤ 0.3	GB 5009.268	Complies
*Mercury(Hg), mg/kg	≤ 0.1	GB 5009.268	Complies
<u>Microbiological Control</u>			
Total Aerobic Plate Count, cfu/g	≤ 1,000	GB 4789.2	<10
Yeast & Mold, cfu/g	≤ 100	GB 4789.15	<10
Coliforms, cfu/g	≤ 10	GB 4789.3	<10
*Escherichia Coli, 25g	Negative	GB 4789.38	Complies
*Staphylococcus Aureus, 25g	Negative	GB 4789.10	Complies
*Salmonella, 25g	Negative	GB 4789.4	Complies
<u>Note:</u> The item marked with * is tested at a set frequency based on risk assessment. Layn Internal Standard: Epimedium Extract Quality Standard GB: Chinese National Standard CP: Chinese Pharmacopoeia			



Review by: Wu Nianrong (QC Manager)

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