

CERTIFICATE OF ANALYSIS

Product Name	Gynostemma pentaphyllum Extract-Gypenoside		
Botanical Origin	Gynostemma pentaphyllum(thunb)mak	Batch Number	20210309
Part used	Stem leaf and root	Extraction rate	6%
Extract solvents	Ethanol & Water	Excipient	Not
Date of Manufacture	March.09,2021	Date of Analysis	March.12.2021
Batch Quantity	500Kg	Expiration Date	March.08.2024

Analysis Items	Specifications	Results	Test Methods
Appearance	Powder & Brown to Light Yellow	Conform	Visual
Marker Compound	Gypenosides $\geq 80\%$	81.52%	WS3-Z-006-93(Z)
Odor & Taste	Strong and Characteristic	Conform	Organoleptic
Identification	Must positive	Positive	TLC
Loss on drying(5h at 105°C)	$\leq 5\%$	4.3%	GB 5009.3
Ash (3h at 600°C)	$\leq 5\%$	4.7%	GB 5009.4
Mesh Size	NLT 100% through 80 mesh	Conform	80 Mesh Screen
Pesticide	666 ≤ 0.1 mg/kg	Conform	GB/T 5009.19-2008
	DDT ≤ 0.1 mg/kg	Conform	GB/T 5009.19-2008
Heavy Metals	≤ 10 ppm	≤ 10 ppm	GB 5009.74-2014
Arsenic (As)	≤ 1.0 mg/kg	Conform	GB 5009.11-2014
Lead (Pb)	≤ 1.5 mg/kg	Conform	GB 5009.12-2017
Chromium (Cr)	≤ 0.3 ppm	Conform	GB 5009.123-2014
Mercury (Hg)	≤ 0.3 mg/kg	N.D (< 0.005)	GB 5009.17-2014
Total Plate Count	Less than 1,000 CFU/G	Conform	GB 4789.2-2010
Total Yeast & Mold	Less than 100 CFU/G	Conform	GB 4789.15-2016

E.Coli.	Negative	Negative	GB/T4789.3-2003
Salmonella	Negative	Negative	GB 4789.4-2016
S. Aureus	Negative	Negative	GB 4789.10-2016
Hemolytic streptococcus	Negative	Negative	GB 4789.11-2014
Shigella	Negative	Negative	GB 4789.5-2012
Packing and Size	Packed in drum & two plastic-bags inside, Net Weight : : 25Kg/drum		
Storage	Stored in a well-closed container away from moisture and direct sun light at ambient temperature.		

QC MANAGER: Feng Li

ANALYST:Guo Shan

