

No.: BPBE-763-A-00/3.0

CERTIFICATE OF ANALYSIS

Product Name	Esculin	Code	BPBE-763-A
Botanical Source	Aesculus Hippocastanum L	Used Part	Bark
Batch No.	H011076319A	Mfg. Date	Oct. 23, 2019
Packing	25kg/Drum	Retest Date	Oct. 22, 2021
Quantity	300kg	Report Date	Oct. 28, 2019
Specification	98%(HPLC)		

ITEM	SPECIFICATION	RESULT
Appearance	Pale white to white powder	Complies
Solubility		
1% w/v in water(Heat at 60°C and stir for 15 min)	Clear, yellowish	Complies
0.1% w/v in Dulbecco phosphate buffer solution, at 300rpm, 15min	Clear	Complies
Identification	TLC: Compare Rf-value, bigness, shape and colour of the main spots of reference and test solution TLC(Impurity): Every companion spot in the test solution chromatogram, must not exceed the intensity of the main spot in the reference solution chromatogram	Complies
Absorption (Aesculetin,at 570nm)	≤0.050	0.034
Particle Size	NLT 95% pass 80 mesh	Complies
Bulk density	≤0.300 g/cm ³	0.242 g/cm ³
Tapped density	≤0.600 g/cm ³	0.476 g/cm ³
Loss on Drying	6.5%~7.5%	7.10%
Residue on Ignition	≤0.1%	0.04%
Heavy Metals	≤20ppm	Complies
Assay(HPLC)	≥98.0%	99.30%
Total Plate Count	≤1000cfu/g	Complies
-Yeast & Mold	≤100cfu/g	Complies
-E.Coli	Negative	Negative
-Salmonella	Negative	Negative
Conclusion	Comply with the specification.	
Storage	Preserve in tight containers, protected from strong light and high heat.	
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Analyst:

Reviewed by:

Approved by: