

Batch no      HR240617A  
Mf date        Jun 17 2024  
Retest         Dec 16 2026

Molecular Formula       $C_{88}H_{92}O_{34}$   
Molecular Weight        1693.65  
CAS Registry Number    9000-55-9  
Part Used                 Root and stem  
Botanical Source         Podophyllum emodi (Wall)  
Extract Solvent            Alcohol & water

Aug 08 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Light brown amorphous powder, caustic	Conforms
Odor & taste	Characteristic	Conforms
Soluble test	Matter insoluble in ethanol 96% $\leq$ 2.5mg Matter insoluble in 5m ammonia: 0.18 ~ 0.30 mg	2.3 mg 0.221 mg
Identification	Solubility (1% solution) $\geq$ 95%	Water insoluble
pH	TLC	Positive
Loss on drying	7 ~ 9	7.39
Ash content	$\leq$ 5.0%	4.25%
Heavy metals	$\leq$ 1%	0.80%
As	$\leq$ 10 ppm	Conforms
Residual solvents	$\leq$ 2 ppm	Conforms
Microbiology	Ethanol $\leq$ 0.05%	Negative
	Total plate count $\leq$ 1000 cfu/gr	Conforms
	Yeast & mold $\leq$ 100 cfu/gr	Conforms
	E. coli                    Negative	Negative
	Salmonella              Negative	Negative
Tapped density	50 ~ 70 gr/100 mL	68 gr/100 mL
Bulk density	40 ~ 60 gr/100 mL	48 gr/100 mL
Sieve Analysis	100% pass 80 mesh	Conforms
Assay (Podophyllum resin)	$\geq$ 50%	50.63%

Packaging & storage	In cool & dry place. Keep away from strong light and heat
Conclusion	Material complies with in-house standard.