

# ASES CHEMICAL WORKS

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## CERTIFICATE OF ANALYSIS

1. Name of the Product	Resveratrol
2. Other Names:	Polygonum cuspidatum extract;trans-3,4,5-trihydroxystilbene
3. CAS Number	501-36-0
4. Formula	C <sub>14</sub> H <sub>12</sub> O <sub>3</sub>
5. Mol. Weight	228.24
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	July-2024

Items	Requirements	Results	Method	
<b>Appearance</b>	Off -white or yellowish powder	Conforms	Visual	
<b>Identification</b>	<b>IR</b>	Spectrum must conform	Conforms	IR
	<b>HPCL</b>	Retention time must conform	Conforms	HPCL
<b>Check</b>	<b>Loss of drying</b>	≤0.5%	0.06%	CP2020
	<b>Ash</b>	≤0.5%	0.06%	CP2020
<b>Related substances</b>	<b>Dihydroresveratrol</b>	≤0.5%	Not detected	HPLC
	<b>Pinosylvin</b>	≤0.5%	Not detected	HPLC
	<b>Coumaric Acid</b>	≤0.5%	Not detected	HPLC
	<b>Cinnamic Acid</b>	≤0.5%	Not detected	HPLC
	<b>Phloretic Acid</b>	≤0.1%	Not detected	HPLC
	<b>Cis-resveratrol</b>	≤0.1%	Not detected	HPLC
	<b>Single impurity</b>	≤0.1%	Not detected	HPLC
	<b>Total impurities</b>	≤0.5%	Not detected	HPLC
<b>Heavy metals</b>	≤10.0ppm	Conforms	ICP-MS	
<b>Lead(Pb)</b>	≤0.5ppm	Conforms	ICP-MS	
<b>Cadmium(Cd)</b>	≤1.0ppm	Conforms	ICP-MS	
<b>Arsenic (As)</b>	≤1.0ppm	Conforms	ICP-MS	
<b>Mercury(Hg)</b>	≤0.10ppm	Conforms	ICP-MS	
<b>Particle size</b>	98% through 80-mesh sieve	Conforms	80-mesh sieve	
<b>Residual solvents Ethanol</b>	≤500ppm	Conforms	GC	
<b>Assay</b>	99.0% - 101.0%	99.40%	HPLC	
<b>Microbiology</b>				
<b>Total Plate Count</b>	≤1000cfu/g	Conforms	CP2020	
<b>Mold &amp;Yeast</b>	≤100cfu/g	Conforms	CP2020	
<b>E.Coli, coliforms and pseudomonas</b>	Absent	Absent	CP2020	
<b>Salmonella</b>	Absent	Absent	CP2020	