

CERTIFICATE OF ANALYSIS

Product: Sarsaparilla Root Extract Powder
Botanical Name/INCI: Smilax Aristolochiifolia Mill
Solvent Used: Water/Alcohol
Ratio: 4.1
CAS No: 91770-66-0
Lot No: BPCSRE122024
Best Before: December, 2027
Origin: USA

ITEM	SPECIFICATION	RESULT
	Appearance: Brown to brownish powder	Complies
	Odor: Characteristic	Complies
	Taste: Characteristic	Complies
	Loss on drying $\leq 8.0\%$	4.52%
	Ash $\leq 8.0\%$	1.68%
	Loose density 0.300-0.700g/ml	
	Tapped density 0.400-0.9000g/ml	
	Particle size 98% pass 80 mesh	Complies
	Heavy metals $\leq 20\text{ppm}$	Complies
	Arsenic (As) $\leq 2\text{ppm}$	Complies
	Lead (Pb) $\leq 2\text{ppm}$	Complies
	Cadmium (Cd) $\leq 1\text{ppm}$	Complies
	Mercury (Hg) $\leq 0.1\text{ppm}$	Complies
	Microbial	
	Total micro bacterial count $\leq 10000\text{CFU/g}$	$\leq 10\text{CFU/g}$
	Mould & Yeast $\leq 1000\text{CFU/g}$	10CFU/g
	Coliforms $\leq 0.92\text{MPN/g}$	Negative
	Salmonella	Negative Negative

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