



# PURE INGREDIENTS

AN ISO 9001:2008  
CERTIFIED ORGANIZATION

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## CERTIFICATE OF ANALYSIS

<b>PRODUCT NAME</b>	<b>: CISSUS QUADRANGULARIS</b>	<b>BATCH NO</b>	<b>: CQE – 1101 / 11</b>
<b>MFG. DATE</b>	<b>: OCTOBER 2011</b>	<b>EXPT. DATE</b>	<b>: SEPTEMBER 2013</b>
<ul style="list-style-type: none"> <li><b>Description</b></li> </ul>			
Genus / Species	Cissus Quadrangularis		
Origin	India		
Part of Plant Used	Herb		
<b>TEST</b>	<b>STANDARD</b>	<b>RESULT</b>	<b>TEST METHOD</b>
<ul style="list-style-type: none"> <li><b>Analytical Assay</b></li> </ul>			
Identification	Glycosides	Passes	TLC
Colour	Brown	Passes	Visual
Appearance	Dry Powder	Passes	Visual
Odour	Characteristic	Passes	Organoleptic
Taste	Bitter	Passes	Organoleptic
Particle Size	100% thru 60 Mesh	Passes	Sieve Analysis
Bulk Density (untapped)	0.3 to 0.7 g / ml	0.41 g / ml	USP XIII
Bulk Density (tapped)	0.4 to 0.8 g / ml	0.63 g / ml	USP XIII
Loss on Drying	10.0% Max	6.90%	USP XIII ( Vacuum Oven )
Total Ash Content	12% Max	9.20%	USP XIII
Solubility	Soluble in Water	Soluble ( 75% )	IP 96
	Soluble in Alcohol	Soluble ( 75% )	IP 96
pH of 1% Solution	4 – 7	4.70	IP 96
Method of Extraction	Solvent Extraction	Solvent Extraction	N A
Extract Solvent	Alcohol / Water ( 70%/ 30% )	Passes	N A
Carrier / Additives	NIL	Passes	N A
Herb Extract Ratio	12: 01	12: 01	N A
<ul style="list-style-type: none"> <li><b>Heavy Metals</b></li> </ul>			
Total Heavy Metals	10 ppm Max	Passes	USP XIII
Arsenic	2 ppm max	Passes	USP XIII
Lead	1 ppm max	Passes	USP XIII
Mercury	1 ppm max	Passes	USP XIII
<ul style="list-style-type: none"> <li><b>Microbiological Assay</b></li> </ul>			
Total Plate Count	1,000 CFU / g Max	647 CFU / g	AOAC BAM
Yeast & Mold Count	1,00 CFU / g Max	60 CFU / g	AOAC BAM
E Coli, Salmonella, S. Aureus	Negative	Passes	AOAC BAM
<ul style="list-style-type: none"> <li><b>Active Principle</b></li> </ul>			
Phytogenic Ketosterones	3.0% Min	3.10%	Gravimetric

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