

Product Specification Sheet:

Product Name:	Jiaogulan Immortalitea	Harvest/Production Date:	Feb 2015
Botanical Name:	Gynostemma pentaphyllum (Thumb)	Expiration Date:	Aug 2016
Plant Part Used	Leaf & Stems < 1mm	Quantity:	500kg
Active Ingediant	Gypenosides	Country of Origin:	Thailand

ITEM	SPECIFICATION	RESULTS	TEST METHOD
Identification	Positive	Conforms	Visual
Apperance	Rolled Leaf and Stems	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Moisture Content	<= 5%	Conforms	5g / 105C / 2hrs
Ash	<= .6%	Conforms	2g / 525C / 5hrs
Arsenic (As)	0.05 mg/L	0.0011 mg/L Conforms	In house method based on APHA-AWWA 2005
Cadmium (Cd)	0.005 mg/L	0.0024 mg/L Conforms	In house method based on APHA-AWWA 2005
Lead (Pb)	0.05 mg/L	0.0058 mg/L Conforms	In house method based on APHA-AWWA 2005
Mercury (Hg)	0.002 mg/L	Not Detected Conforms	In house method based on APHA-AWWA 2005
Chemicals Carbamate Group	Not Detected	Conforms	In house method based on EPA 507
Organochlorine Group	Not Detected	Conforms	In house method based on EPA 507
Organophosphate Group	Not Detected	Conforms	In house method based on EPA 508
Pyrethroid Group	Not Detected	Conforms	In house method based on EPA 508
Yeast & Mold	< 10 CFU/g	Conforms	FDA BAM Online (2001) Chapter 18
Total Plate Count	< 10 CFU/g	Conforms	FDA BAM Online (2001) Chapter 3
Salmonella	Not Detected	Conforms	FDA BAM (1995)
E. Coli	Not Detected	Conforms	FDA BAM (1995)

HPTLC Testing Results: Gynostemma Pentaphyllum 'dried tea' leaf tested at 7.76% gypenosides.

Absorbance	Concentration PPM	Gypenoside weight mg	% Gypenosides
0.419	19.998	79.992	7.76