

## SPECIFICATION SHEET

### VALERIAN ROOT EXT. 0.8% VALERENIC ACID

#### GCI PRODUCT# 7300

<b>Botanical Name:</b>		<i>Valeriana officinalis</i>
<b>Plant Part Used:</b>		Root
<b>Solvents Used:</b>		Ethanol, water
<b>Carrier Used:</b>		Maltodextrin (5%)
<b>PARAMETER</b>	<b>SPECIFICATIONS</b>	<b>METHOD</b>
Description	Brown fine powder	Visual
Identification	Positive	TLC   USP <201>
Assay – Valerenic Acid	≥0.80%	HPLC   USP <621>
Particle Size	≥90.00% through 80 mesh	Sieve   USP <786>
Bulk Density	0.30 g/ml – 0.70 g/ml	USP <616> Method I
Loss on Drying	≤10.00%	USP <731>
Total Ash	≤20.00%	USP <561>
Residual Solvents	≤5,000ppm	GC   USP <467>
Pesticides Residue	Conforms to standards	GC   USP <561>
Irradiation Status	Non-irradiated	
<b>Heavy Metals – Total</b>	≤20ppm	USP <231>   Method II
Arsenic:	≤3ppm	ICP-MS
Lead:	≤3ppm	ICP-MS
Cadmium:	≤1ppm	ICP-MS
Mercury:	≤1ppm	ICP-MS
<b>Microbiological Analysis</b>		
Total Plate Count:	≤10,000cfu/g	USP30 <61>
Yeast and Mold:	≤1,000cfu/g	USP30 <61>
E. Coli:	Negative/10g	USP30 <61>
Salmonella:	Negative/25g	USP30 <61>
Staphylococcus:	Negative/10g	USP30 <61>

**Country of Origin: China.**

**Storage: Store in a well-closed container away from heat and moisture.**

**Shelf Life: 3 years.**

The foregoing analysis was submitted to us by the manufacturer.

This is a computer print of the analysis certificate which has been undersigned on the original and is valid without signature.

It is the responsibility of the user to determine the suitability of this product for any intended use.