

PRODUCT SPECIFICATION							
VALERIAN DRY EXTRACT							
<b>Specification Number</b>	SP/FP-241B	<b>Pharmacopoeia Compliance</b>	None	<b>Revision Number</b>	04	<b>Page Number</b>	1 of 1
<b>Effective Date</b>	16-12-2011	<b>Next Revision</b>	March 2014	<b>Supersedes</b>	SP/FP-241B 04-08-2010		

### Physical & Chemical Characteristics

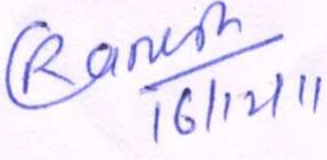
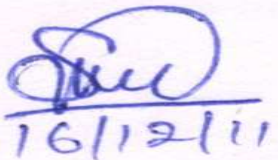
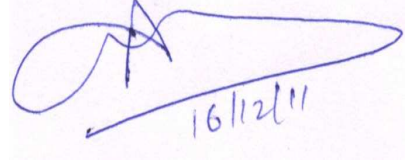
TEST	TEST METHOD	SPECIFICATION
<b>Description</b>	Visual	Brown to light brown colored dry powder with typical odour of valerian.
<b>Identification (By TLC)</b>	TM/FP-241B	The spot and RF value of the sample should be similar to working standard
<b>Particle Size (# 40 mesh)</b>	TM/FP-241B	NLT 90% w/w
<b>Bulk Density</b>	TM/FP-241B	300 – 700 g/ltr.
<b>Hydrosolubility</b>	TM/FP-241B	Should be partially soluble in water
<b>Liposolubility</b>	TM/FP-241B	Should be partially liposoluble
<b>pH (1% solution)</b>	TM/FP-241B	3.0 – 5.0
<b>Sulphated Ash</b>	TM/FP-241B	NMT 15.0% w/w
<b>Loss On Drying (3 hrs at 105°C)</b>	TM/FP-241B	NMT 5.0% w/w
<b>Heavy Metals (As Pb)</b>	GTM-009	NMT 60 ppm
<b>Assay (BY HPLC) (Total Valerenic Acid)</b>	TM/FP-241B	NLT 0.8% w/w

### Residual Solvent

Ethanol (EtOH) Dichloro Methane (MDC)	TM/FP-241B	NMT 5000 ppm NMT 600 ppm
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### Microbiological Parameters

<b>Total Viable Bacterial Count</b>	GTM-024	NMT 5000 cfu/gm
<b>Total Yeast &amp; Mould Count</b>	GTM-024	NMT 100 cfu/gm
<b>Enterobacteriaceae Count</b>	GTM-024	NMT 100 cfu/gm
<b>Staphylococcus aureus</b>	GTM-024	Should be absent /gm
<b>Pseudomonas aeruginosa</b>	GTM-024	Should be absent /gm
<b>Escherichia coli</b>	GTM-024	Should be absent /gm
<b>Salmonella spp.</b>	GTM-024	Should be absent /gm

PREPARED BY	CHECKED BY	APPROVED BY
		
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