

## CERTIFICATE OF ANALYSIS

Product Name: <b>VetraMethio</b>	Batch No. : VET-01-VM006	A.R. No.: WAF/13-14/0954	
Dosage Form : Powder	Batch Qty : 1000.0 kg	Receiving Date: 20.03.2014	
Date of Mfg. : Mar. 2014	Pack size : 25 kg bag	Testing Date: 21.03.2013	
Date of Exp. : Feb. 2017	Country of origin: INDIA	Sample Quantity: 250 gram	
TEST	SPECIFICATION	RESULT	STD. TEST PROCEDURE
<b>Physical Parameters</b>			
Description	Brownish colour dry powder having characteristic herbaceous odour	Complies	Visual & Organoleptic Examination
Solubility	Partly soluble in <i>water</i> , slightly soluble in <i>ethanol</i> (96%)	Complies	ST/WAF/065
Identification	Rf of TLC chromatogram shall match to the standard spots	Complies	ST/WAF/012
Sieve Analysis	NLT 97% material shall pass through 40 mesh	98.54%	As per I.P.
Loss on drying	Not more than 7.0% w/w	5.00% w/w	As per I.P.
Total Ash	Not more than 8.5% w/w	5.50% w/w	As per I.P.
pH of 10% aq. Solution	5.0 ± 1.5	5.21	As per I.P.
<b>Chemical Parameters</b>			
Water Soluble Extractives	Not less than 18.0% w/w	20.10% w/w	As per Ayurvedic Pharmacopoeia of India
Alcohol Soluble Extractives	Not less than 9.0% w/w	10.40% w/w	As per Ayurvedic Pharmacopoeia of India
<b>Assay as Dried Substance</b>			
Total Alkaloids	Not less than 0.70% w/w	0.75% w/w	ST/WAF/054
Total Bitter Contents	Not less than 0.55% w/w	0.70% w/w	IP-1966, Page164
<b>Impurities</b>			
<b>Microbial</b>			
Total bacterial count	Not more than 5000 CFU/g	1075 CFU/g	As per I.P.
Yeast & Mould	Not more than 500 CFU/g	<155 CFU/g	As per I.P.
<i>E. coli</i>	Absent/ g	Absent/ g	As per I.P.
<i>Salmonella</i>	Absent/ g	Absent/ g	As per I.P.
<i>S. aureus</i>	Absent/ g	Absent/ g	As per I.P.
<b>Heavy Metals</b>			
Lead	Not more than 10 ppm	0.07 ppm	USP 35, NF 30
Arsenic	Not more than 3 ppm	0.004 ppm	USP 35, NF 30
Mercury	Not more than 1 ppm	Not Detected	USP 35, NF 30
Cadmium	Not more than 0.3 ppm	Not Detected	USP 35, NF 30
<b>Remarks:</b> Based on the analysis results, the sample conforms / <del>doesn't</del> conforms to the I.P./B.P./U.S.P./E.P./I.H. Std.			
<b>Result:</b> Released			
<b>Remarks:</b> Since it is an herbal product; there is likely to be minor colour variation from batch to batch, because of the seasonal variation of raw materials, though colour change would not affect the quality or efficacy of product.			
<b>Prepared By</b> (Executive QC)		<b>Approved By</b> (Head QA/QC)	

