

CERTIFICATE OF ANALYSIS

Product :	Rosemary Liquid Extract W/S	Manufacture By :	REPL
Batch No:	VB/LE/RSM/03-8975	Composition :	Extract + Preservative
Mfg. Date:	July - 2026	Packaging :	Feed Grade HDPE Container
Exp Date :	June - 2027	Intended Use :	Cosmetic, Nutra or Ayurvedic Industries
Plant Part:	Leaves	Residual Solvent :	Nil
Method :	Solvent Extraction		

Test	Standards	Results	Method
Physico-chemical Tests			
(A) Botanical name	<i>Rosmarinus Officinalis</i>		
Description	Light yellowish color clear liquid	Complies	Organoleptic
Odor	Characteristics	Characteristics	Organoleptic
Identification	Positive	Complies	HPTLC
Water Solubility	Soluble	Complies	USP <561>
Propylene Glycol Solubility	Soluble	Complies	USP <1236>
Alcohol Solubility (50% Alcohol)	Soluble	Complies	USP <1236>
PH (1% w/w)	3.0-6.0	4.58	USP <791>
Specific Gravity (25°C)	1.010-1.150	1.014	USP <841>
Dry Residue @180°C	NMT 5%	3.07%	USP <281>
(B) Heavy Metals			
Lead	NMT-2 PPM	Complies	USP <231>
Mercury	NMT-1 PPM	Complies	USP <231>
Arsenic	NMT-1 PPM	Complies	USP <231>
Cadmium	NMT-0.3 PPM	Complies	USP <231>
(C) Marker Assay			
Flavonoids	Presence of Flavonoids	Present	In House Method
(D) Microbiological Test			
Total Aerobic Microbial Count	NMT-100 CFU/GM	Complies	USP <61>
Yeast/Molds	NMT-10 CFU/GM	Complies	USP <61>
Salmonella sp.	Absent	Absent	USP <62>
Escherichia coli	Absent	Absent	USP <62>
Pseudomonas aeruginosa	Absent	Absent	USP <62>
(E) Aflatoxin			
Aflatoxin (B1+B2+G1-G2)	NMT 5ppb	Complies	In house method
Aflatoxin (B1)	NMT 2ppb	Complies	In house method
Note: Since it is an herbal product, there is likely to be minor color variation from batch to batch because of the seasonal variations of the raw materials, Color not affect the quality and efficacy of the product.			

	Prepared By	Approved By
Name	Vipul Sharma	Aakarsh Gupta
Designation	Sr. executive Q.C.	Manager Q.C.