CERTIFICATE OF ACCREDITATION

This is to attest that

EUROPEAN PERFUME WORKS CO LLC

31ST STREET, INDUSTRIAL AREA 13
SHARJAH, 23121, UNITED ARAB EMIRATES

Testing Laboratory TL-419

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date February 8, 2023

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

EUROPEAN PERFUME WORKS CO LLC

www.epwuae.com

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Accredited to ISO/IEC 17025:2017 *Effective Date February 8, 2023*

Chemical	
BP- 2014	Volume I – identification of glycerin – method B – infra red spectrophotometry (page no. I-1061), method C (Page No. I-1062)
BP 2014	Water Absorption Capacity – Volume II – Page No. - 1178
BP- 2014	Volume V – appendix II A. Infra-Red spectrophotometry (page. no. V-A159)
BP- 2014	Volume V – appendix II B – Ultra violet and visible absorption spectrophotometry (page. no. V- A165) – qualitative, quantitative analysis of raw materials by UV-Vis spectrophotometer
BP 2014	Acid Value –– Volume V- Page No.: A304
BP 2014	Iodine Value – Volume V- METHOD B-Page No.: A305
BP 2014	Peroxide Value – Volume V- METHOD A-Page No.: A306
BP 2014	Saponification Value – Volume V- METHOD I-Page No.: A306
BP 2014	Loss on Drying of Extracts – Volume V- Page No.: A325
EI-INS-SOP011 & EI-INS-SOP012 ISO24443, USFDA 2007 and COLIPA UVAPF 2011	Methods – in vitro quantitative analysis of SPF (sun protection factor) in solar light® sunscreen analyzer – SPF 290AS (automated)
EI-INS-TM003	Test method for perfume oil GC-MS analysis (qualitative analysis) based on USP 37 NF 32 - volume I- chapter 621 - chromatography; gas chromatography (GC) (page no. 303)
EI-INS-TM004	Test method for perfume solution GC-MS analysis (qualitative analysis) based on USP 37 NF 32 - volume I- chapter 621 - chromatography; gas chromatography (GC) (page no. 303)
EI-INS-TM010	Test method for quantitative analysis of allergens in perfume solution, perfume oil by GC-MS based on USP 37 NF 32-Volume I- chapter 621 – chromatography; gas chromatography (GC) (page no. 303) (the list* of allergens included at the end of the scope)
EI-INS-TM025 Internal Test procedure	Hardness of Water as per APHA 2340C 23rd Edition (2017)
USP 37 NF 32	Volume I – chapter - 197 – spectrophotometric identification tests – ultra violet absorption (page. no. 144)
USP 37 NF 32	Elemental impurities - procedures- volume I- chapter 233 – compendial procedures 1 – ICP-OES (page no. 165) – Mg, As, Sb, Pb, Cd, Cr and Hg Only

USP 37 NF 32	Readily Carbonizible Substances Test- – 2014 – Volume I – Readily Carbonizable Substances test – Chapter 271 (Page No.: 176)
USP 37 NF 32	Acid Value - 2014 – Volume I – Chapter 401 – Acid Value - (Page No.: 189)
USP 37 NF 32	Iodine Value – 2014 – Volume I – Chapter 401 – Iodine Value – Method I (Hanus Method) (Page No.: 191)
USP 37 NF 32	Peroxide Value – 2014 – Volume I – Chapter 401 – Peroxide Value – (Page No.: 192)
USP 37 NF 32	Saponification Value – 2014 – Volume I – Chapter 401 – Saponification Value – (Page No.: 192)
USP 37 NF 32	Water conductivity – volume I – chapter 645 – (page no. 311)
USP 37 NF 32	pH – volume I – chapter 791 (page no. 402)
USP 37 NF 32	Refractive index – volume I – chapter -831 (page no. 475)
USP 37 NF 32	Specific gravity – volume I – chapter 841 – method – I (page no. 475)
USP 37 NF 32	Viscosity – Rotational rheometer (viscometer) methods – volume I – chapter - 912 method I – spindle viscometer (page no. 496)
USP 37 NF 32	Water determination – volume I – chapter 921 –method I (titrimetric) - method I a – direct titration – page no. 500
USP 37 NF 32	Water determination – volume I – chapter 921 – method II – azeotropic -toluene distillation (page no. 502)
USP 37 NF 32	Water Soluble Oxidizable Substances in Lanolin – 2014 – Volume III – (Page No.: 3494)
Microbiological	
ASTM E2315 - 16	Assessment of Antimicrobial Activity using a time kill – Procedure.to determine the changes in population of aerobic microorganism within a specified sampling time when antimicrobial materials are present.
ASTM E2755 – 15	Determining the Bacteria-Eliminating Effectiveness of Healthcare Personnel Hand Rub Formulations using hands of Adults to determine the activity of Hand rub, Hand Sanitizers, or hand Antiseptics against transient microbial skin flora on the hands after single / repeated applications
EN 1276:2009	Quantitative Suspension test as per to evaluate the Activity of a disinfectant against a range of Micro organisms
EN 1500	Hand Sanitization test for Evaluation of Hand Sanitizers
USP 37 NF 32	Antimicrobial Effectiveness testing to evaluate the effect of preservatives in cosmetics, personal care products (Topical Products) - 2014 – Volume I – Chapter 51- Page No.: 52
USP 37 NF 32	Microbiological examination of non-sterile products: microbiological enumeration tests – total aerobic microbial count (TAMC), total combined yeasts and molds count (TYMC) volume I – chapter 61 (page no. 57)
USP 37 NF 32	Microbiological examination of non-sterile products: tests for specified microorganisms - Test for Pathogens: Escherichia coli, Pseudomonas

	aeruginosa, Staphylococcus aureus, Enterobacteriaceae - volume I – chapter 62 (page no. 62)

***List of 24 Allergens**

S.No.	Name of the Allergens	CAS No.	Molecular Formula	Molecular Weight (g / mol)
1	Amyl Cinnamal (Amyl Cinnamaldehyde)	122-40-7	$C_{14}H_{18}O$	202.297
2	Benzyl Alcohol	100-51-6	C_7H_8O	108.14
3	Cinnamyl Alcohol	104-54-1	$C_9H_{10}O$	134.178
4	Citral (Geranial)	5392-40-5	$C_{10}H_{16}O$	152.237
5	Eugenol	97-53-0	$C_{10}H_{12}O_2$	164.204
6	Hydroxy Citronellal	107-75-5	$C_{10}H_{20}O_2$	172.268
7	Isoeugenol	97-54-1	$C_{10}H_{12}O_2$	164.204
8	Amyl Cinnamyl Alcohol	101-85-9	$C_{14}H_{20}O$	204.313
9	Benzyl Salicylate	118-58-1	$C_{14}H_{12}O_3$	228.247
10	Cinnamal (Cinnamaldehyde)	104-55-2	C_9H_8O	132.162
11	Coumarin	91-64-5	$C_9H_6O_2$	146.145
12	Geraniol	106-24-1	$C_{10}H_{18}O$	154.253
13	Hydroxyisohexyl 3-cyclohexene carboxaldehyde (Lyral)	31906-04-4	$C_{13}H_{22}O_2$	210.317
14	Anise Alcohol (Anisyl Alcohol)	105-13-5	$C_8H_{10}O_2$	138.166
15	Benzyl Cinnamate	103-41-3	$C_{16}H_{14}O_2$	238.286
16	Farnesol (Mixed isomers)	4602-84-0	$C_{15}H_{26}O$	222.372
17	Butylphenyl methylpropional (Lilial) (2-(4-tert-Butylbenzyl) propionaldehyde)	80-54-6	$C_{14}H_{20}O$	204.313
18	Linalool	78-70-6	$C_{10}H_{18}O$	154.253
19	Benzyl Benzoate	120-51-4	$C_{14}H_{12}O_2$	212.248
20	Citronellol	106-22-9	$C_{10}H_{20}O$	156.269
21	Hexyl cinnamal (Hexyl Cinnamaldehyde)	101-86-0	$C_{15}H_{20}O$	216.324
22	Limonene	5989-27-5	$C_{10}H_{16}$	136.238
23	Methyl - 2 Octynoate (Methyl Heptin Carbonate)	111-12-6	$C_9H_{14}O_2$	154.209
24	Alpha-Isomethyl Ionone (Cetone Alpha)	127-51-5	$C_{14}H_{22}O$	206.329