Questionnaire for non-organic cosmetic raw material verification

This questionnaire must be completed by **the manufacturer of the raw material**. Information given is under the manufacturer's own responsibility.

COMMERCIAL NAME: **Squalane Oil – (Olive)**

I. General information

- **Manufacturer:**

Name of the company:	Manufactured for Jedwards International, Inc.
Address:	Proprietary
Contact person:	

Phone: Email:
Fax:

- **Supplier/Distributor, if different:**

Name of the company:	Jedwards International, Inc.
Address:	141 Campanelli Drive Braintree MA 02184
Contact person:	Gigi Dolloff – Sales Manager

Phone: 617-472-9300 Email: sales@bulknaturaloils.com
Fax:

- **INCI name: Squalane**
- **Category/Function: Emollient**
- **Chemical formula: C30H62**
- **CAS number: 111-01-3**

Please join to the questionnaire :
Technical data sheet and Material Safety Data Sheet (MSDS).

II. Ingredients origin and manufacturing processes

1. Overview:

Animal Testing:

Is the raw material or any of its ingredients tested on animals by the manufacturer or any third party induced to do so? ☐ YES ☒ NO

If YES, is it required by law? ☐ YES ☐ NO

If NO, please specify:

Active ingredient(s) and solvent(s):

Please list exhaustively in the table below each ingredient (active ingredient, solvent, etc.) of the commercial reference, mentioning:

- its name – please specify its commercial name if the ingredient is already COSMOS-approved
- its manufacturing process* (please refer to the positive list of allowed chemical or physical processes respectively in appendix I/ II of the standard)
- the reactants used, their origins and their manufacturing processes *
- the content in the commercial reference (%)

Ingredient Name	Origin**	Manufacturing process (reactants – solvents)	Reactants (origin / manufacturing process / solvent)	%
Squalane	CPAI	Esterification and then removal by distillation of free fatty acids in the unsaponifiable fraction obtained through steam deodorization. Subsequent hydrogenation of the isolated Squalene using Nickel catalyst. Purification of Squalane through winterization and chromatographic filtration.		100%

Add lines if necessary

**In case of ingredients or reactants coming from fermentation process, please include details of the substrate and the culture medium composition.*
***Origin can be described with one of the following categories:*
*-**PPAI** (physically processed agro-ingredients): processed or extracted using physical processes (appendix I)*
*-**CPAI** (chemically processed agro-ingredients): processed or extracted using chemical processes (appendix II)*
*- **CPAI + petrochemical moiety**: ingredient with a natural part bonded to a petrochemical moiety*
*-**Mineral** / Mineral origin (water, pigment…)*
*-**Petrochemical***

If an ingredient is already Cosmos approved (http://www.cosmos-standard-rm.org/) please mention the commercial name and manufacturer name

Additives: ☐ Applicable ☒ Not applicable

- Please complete the following table with all the additives (preservatives, antioxidants, pH adjusters, etc.) added in your commercial reference as well as the ones contained in each active ingredient listed in the previous table:

Additive INCI	% in the commercial reference	Origin**	Derived from genetically modified plant(s)?	Irradiated?
			☐ YES ☐ NO	☐ YES ☐ NO
			☐ YES ☐ NO	☐ YES ☐ NO
			☐ YES ☐ NO	☐ YES ☐ NO
			☐ YES ☐ NO	☐ YES ☐ NO

Add lines at the table if necessary

*** same description as II 1 active ingredients and solvents*

If an additive is already Cosmos approved (http://www.cosmos-standard-rm.org/) please mention the commercial name and manufacturer name.

2. Ingredients origin:

The requirements below only apply to active ingredients and solvents. It is not necessary to fulfill these requirements for additives.

Plant origin ingredients: ☒ Applicable ☐ Not applicable

- Are any of the plants used in the process of the raw material listed in the appendix of the CITES convention? ☐ YES ☒ NO

  If YES, which one(s)? :

  - Do you use palm or palm kernel derivatives? ☐ YES ☒ NO
    - Are any of these ingredients RSPO certified? ☐ YES ☐ NO

Please fill in the following table:

Ingredient	Present in the raw material ?	RSPO Certified ?
Palm oil	☐ YES ☒ NO	☐ YES ☐ NO
Palm kernel oil	☐ YES ☒ NO	☐ YES ☐ NO
Glycerin	☐ YES ☒ NO	☐ YES ☐ NO
Cocamidopropyl Betaine, Coco Betaine	☐ YES ☒ NO	☐ YES ☐ NO
Stearic Acid, Palmitic Acid, Myristic Acid, Lauric Acid	☐ YES ☒ NO	☐ YES ☐ NO
Cetyl Alcohol, Cetearyl Alcohol, Stearyl Alcohol, Lauryl Alcohol	☐ YES ☒ NO	☐ YES ☐ NO
Cetyl Palmitate, Cetyl Phosphate, Myristyl Myristate, Glyceryl (mono-) Stearate, Glyceryl Oleate	☐ YES ☒ NO	☐ YES ☐ NO
C8-C10 Caprylic/Capric Triglyceride, C10-C18 Triglycerides	☐ YES ☒ NO	☐ YES ☐ NO

Please attach the RSPO certificate(s).

If the ingredient(s) palm or palm-kernel derived are not listed in the previous table, please specify it/them hereafter:

- Are the plants used in the manufacturing process of your raw material, including ingredients, reactants, culture mediums or solvents, guaranteed of non-GMO origin?

☒ YES ☐ NO

Please fill in the following table:

Plant name	Used as starting material?	Country of origin
Corn	☐ YES ☐ NO	
Soya	☐ YES ☐ NO	
Linseed	☐ YES ☐ NO	
Cotton	☐ YES ☐ NO	
Sugar beet	☐ YES ☐ NO	
Papaya	☐ YES ☐ NO	
Alfalfa/ Lucerne	☐ YES ☐ NO	
Sweet pepper	☐ YES ☐ NO	
Tomato	☐ YES ☐ NO	

Please attach here the document "Non–GMO declaration for non-organic ingredients" if you tick YES at least for one plant. Note, a non GMO statement must be on headed paper, signed and dated within the last 12 months.

Animal origin ingredients: ☐ Applicable ☒ Not applicable

- Are any of the ingredients or reactants from animal origin obtained from an animal listed in the CITES convention appendices?

☐ YES ☐ NO

If YES, which one(s)? :

- Did the process of ingredient(s) of animal origin of the reference entail the death of the animal?

☐ YES ☐ NO

Mineral origin ingredients: ☐ Applicable ☒ Not applicable

- Are the mineral(s) or mineral origin ingredient(s) present in the raw material, considered as nanomaterials according to the 1223/2009/CE European Cosmetic Regulation definition?

☐ YES ☐ NO

If yes, which ones?:

- Is/Are ZnO and/or TiO_2 used as ingredient(s) in your raw material?

☐ YES ☐ NO

  - Are they used as UV filters (UV blockers)? ☐ YES ☐ NO

If YES, are the following requirements respected?:

- Less than 50% of the particles of ZnO and/or TiO_2 in number distribution are in the nanoscale (1-100nm)?

☐ YES ☐ NO

Please provide the analysis.

- Less than 10% of the particles in mass distribution are in the nanoscale (1-100nm) ?

☐ YES ☐ NO

Please provide the analysis.

- Is/Are the ZnO and/or TiO_2 contained in your raw material compliant with the criteria defined in the SCCS's opinions in force for a safe use as UV filter in cosmetic products?

☐ YES ☐ NO ☐ Not applicable

For any other function other than UV filter, please provide a DLS (dynamic light scattering) analysis AND a SEM (scanning electron microscopy) analysis.

- Is/Are Silica and/or CeO2 used as ingredient(s) in your raw material?

☐ YES ☐ NO

If YES, please provide a DLS (dynamic light scattering) analysis and a SEM (scanning electron microscopy) analysis. SEM is optional for Silica.

Microbial or biotechnological origin ingredients:

☐ Applicable ☒ Not applicable

- Does your raw material contain ingredients or reagents that come from a biotechnology process (fermentation, enzymatic hydrolysis, etc.)?

☐ YES ☐ NO

If YES, please precise the type of biocatalyst(s) used (yeast, bacteria, fungi, enzymes, etc.) and its/their origin(s):

- Are the biocatalyst(s) used genetically modified or produced from GMO?

☐ YES ☐ NO

If YES please could you list here the reagents/ingredients concerned:

-
-
-

- Please confirm that for enzymes from GMM (genetically modified microorganisms) the following conditions are respected:

☐ YES ☐ NO ☐ Not applicable

- Enzymes from GMO are purified before use.
- The GMO are used in closed vessel.
- The GMO are deactivated after the process.
- Risk assessment on GMO impact on environment is implemented.
- Risk plan is established, if GMO is released in the environment.
- PCR (-) or any other method must be provided to prove that no DNA of the GMO is present in the final raw material

- Is the feedstock in biotechnological processes only from natural vegetable or microbial raw materials, without using genetically modified organisms or their derivatives?

☐ YES ☐ NO

Ingredients containing petrochemical moieties:

☐ Applicable ☒ Not applicable

- If your manufactured ingredient contains a petrochemical moiety, as authorized in the Standard (appendix V), please specify the ingredient(s) involved as well as the percentage of this moiety (% on the active matter) here:

3. Manufacturing processes:

The requirements below only apply to active ingredients and solvents. It is not necessary to fulfill these requirements for additives.

Solvents:

- Are solvent(s) used during the manufacturing step(s)? ☐ YES ☒ NO

If YES, please specify the name of the solvent(s) and the ingredient(s) involved:

- Are solvent(s) used during the purifying step(s) (e.g. extraction, washing, crystallization etc.)?

☐ YES ☒ NO

If YES, please specify the name of the solvent(s) and the ingredient(s) involved:

- Are the solvents recovered and removed from the final product?

☐ YES ☐ NO

If YES and in case of petrochemical solvent(s) used, please provide the certificate of analysis showing that no solvent is detectable.

Manufacturing auxiliaries:

- Are manufacturing auxiliaries (e.g. pH adjuster, catalyst) used during the synthesis of the ingredient(s) or reactant(s) listed previously?

☒ YES ☐ NO

If YES, please specify which one(s) and the ingredient involved: **Nickel**

- Are the manufacturing auxiliaries removed?

☒ YES ☐ NO ☐ Not applicable

If NO, are the manufacturing auxiliaries removed to technologically inevitable amounts using state of the art manufacturing processes and deactivated?

☐ YES ☐ NO

- Are the manufacturing auxiliaries detectable by analysis?

☐ YES ☒ NO ☐ Not applicable

If YES, please specify the component(s), the ingredient involved and the content(s):

- Is there any activation step (ex: fatty acid activation) in the manufacturing process of the ingredient(s) of the raw material?

☐ YES ☒ NO ☐ Not applicable

If YES, please specify the reagent(s) used for the activation and the ingredient(s) involved:

- Are there temporary modifications (e.g. protection of functional groups) during the manufacturing process of the ingredient(s) of the raw material ?

☐ YES ☒ NO ☐ Not applicable

If YES, please specify the temporary modification(s) and the ingredient(s) involved:

Purification:

- Are the ingredients that compose the raw material subject to purifying steps?

☐ OUI ☐ NON

If YES, please complete the following table:

Process	Used ?	Ingredient(s)	Reagent(s), solvent(s) or technique(s) used
Refining	☐ YES ☐ NO		
Bleaching	☐ YES ☐ NO		
Crystallization	☐ YES ☐ NO		
Precipitation	☐ YES ☐ NO		
Deodorization	☐ YES ☐ NO		
Sterilization	☐ YES ☐ NO		

If the purification step(s) used is/are not mentioned in the previous table, please specify hereafter the ingredient(s) and the process(es) used:

Authorised processes and substances :

- Are all the chemical and physical processes used in the manufacturing process of the ingredients and those of the reactants involved in the manufacturing of the raw material listed in Annex I/ II of the COSMOS standard) ?

☐ YES ☒ NO

If NO, please indicate the process(es) used during the manufacturing of your commercial reference which would not be listed in these Annexes :

Prohibited processes and components:

Indicate whether the following chemical processes are used during the manufacture of any ingredients, reactants or auxiliaries in the commercial reference:

ALKOXYLATION (including ETHOXYLATION and PROPOXYLATION) using ethylene oxide, propylene oxide or other alkylene oxides	☐ YES	☐ NO
IONISING RADIATION	☐ YES	☐ NO
HALOGENATION (as main reaction)	☐ YES	☐ NO
SULPHONATION (as main reaction)	☐ YES	☐ NO
TREATMENTS WITH ETHYLENE OXIDE	☐ YES	☐ NO
TREATMENTS USING MERCURY (mercurial soda)	☐ YES	☐ NO
BLEACHING - DEODOURISATION (on a support of animal origin)	☐ YES	☐ NO
BLEACHING with sodium hypochlorite	☐ YES	☐ NO
DETERPENATION (other than with steam)	☐ YES	☐ NO
TECHNIQUES USING GENETIC MANIPULATION	☐ YES	☐ NO
USE OF SEWAGE SLUDGE	☐ YES	☐ NO
USE OF FORMALDEHYDE OR FORMALDEHYDE DONORS	☐ YES	☐ NO

If YES, precise the compound(s) involved:

4. Green chemistry principles:

The requirements below only apply to chemically processed agro-ingredients (CPAI). It is not necessary to fulfill these requirements for additives.

Reaction mass efficiency:

R= (mass of the desired product) / (mass of all the reactants) x 100

- Is the reaction mass efficiency of each CPAI's last reaction step higher than 50%*?

☐ YES ☐ NO ☒ Not applicable

**the ingredients proceeding from biotechnology and perfume ingredients are exempted*

Ecological data:

- Please fill in the following table for each chemically processed agro-ingredient of your commercial reference, or for the commercial reference as a whole:

INCI of the chemically processed agro-ingredient	Biodegradability (value+test)	Aquatic toxicity (value+test)
Refer to SDS		

Add lines if necessary

Accepted: test values, data from literature, or approach by structure analogy such as read across data are accepted. Please specify the data or join relevant documentation.

III. Environmental data

- Have you evaluated and established a procedure for limiting accident risks (human and environmental)?

☐ YES ☐ NO

If yes, please detail these measures:

- Have you evaluated and established a procedure for the management of waste production (recycling and others) in the manufacturing of this raw material or for your manufacturing plant in general?

☐ YES ☐ NO

If yes, please detail these measures:

- Have you evaluated and established a procedure for energy economy in the manufacturing of this ingredient or for your manufacturing plant in general?

☐ YES ☐ NO

If yes, please detail these measures:

To the best of my knowledge, all the information supplied in this form is accurate. Should any of this information be found to be false, any subsequent approval granted by the Certification body will be revoked.

Name: **Edward Iorio, Ph.D** Company: **Jedwards International, Inc.**

Date: **04/10/2024**

☒ I have completed this form electronically and confirm I am in agreement with the declaration above.

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