EUROPEAN
COMMISSION

Brussels, XXX
[…](2012) XXX draft

COMMISSION DECISION

of XXX

establishing the ecological criteria for the award of the EU Ecolabel for Rinse-off cosmetic products

(Text with EEA relevance)

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THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 66/2010 of the European Parliament and of the Council of 25 November 2009 on the EU Ecolabel[1], and in particular Article 8(2) thereof,

After consulting the European Union Eco-labelling Board,

Whereas:

(1) Under Regulation (EC) No 66/2010, the EU Ecolabel may be awarded to products which have a reduced environmental impact during their entire life cycle.

(2) Regulation (EC) No 66/2010 provides that specific EU Ecolabel criteria are to be established according to product groups.

(3) Since environmental impacts mainly in terms of eco-toxicity and resource consumption are associated to the chemicals used in rinse-off cosmetic products and their packaging, it is appropriate to establish the EU Ecolabel criteria for this product group.

(4) The measures provided for in this Decision are in accordance with the opinion of the Committee established by Article 16 of Regulation (EC) No 66/2010.

[1] OJ L 27, 30.1.2010, p. 1.

HAS ADOPTED THIS DECISION:

Article 1

The product group “Rinse-off cosmetic products” shall comprise soaps, shampoos, hair conditioners and pre-shaving products, i.e. "any rinse-off substance or mixtures intended to be placed in contact with the epidermis and the hair system with a view exclusively or mainly to cleaning them. That product group shall also comprise any rinse-off substance or mixture intended to be placed in contact with the hair system with a view to improve the condition of the hair (hair conditioners) and any rinse-off substance or mixture intended to be placed in contact with the epidermis with a view to protect it and to lubricate the hair before shaving (pre-shaving products)".

The product group shall cover products for both private and professional use.

The product group shall not cover products that are specifically marketed for disinfecting or anti-bacterial use.

Article 2

For the purpose of this Decision, the following definitions shall apply:

(1) "Ingoing substances" means preservatives, fragrances and colouring agents, regardless of the concentration and other substances intentionally added, as well as by-products and impurities from raw materials, the concentration of which equals or exceeds 0.010 % by weight of final formulation.

(2) "Active Content" (AC) means the sum of organic ingoing substances in the product (expressed in grams). It must be calculated on the basis of the complete formulation of the product. Rubbing/abrasive agents in hand cleaning agents are not included in the calculation of the active content.

(3) "Primary packaging" (sales packaging) means packaging conceived so as to constitute a sales unit to the final user or consumer at the point of purchase. It is defined as the smallest unit of distribution and it shall be in direct contact with the contents.

(4) "Secondary packaging" (grouped packaging) means packaging conceived so as to constitute at the point of purchase a grouping of a certain number of sales units whether the latter is sold as such to the final user or consumer or whether it serves only as a means to replenish the shelves at the point of sale; it can be removed from the product without affecting its characteristics.

Article 3

In order to be awarded the EU Ecolabel under Regulation (EC) No 66/2010, a product shall fall within the product group "Rinse-off cosmetic products" as defined in Article 1 of this

Decision and shall comply with the criteria as well as the related assessment and verification requirements set out in the Annex to this Decision.

Article 4

The criteria for the product group "Rinse-off cosmetic products", as well as the related assessment and verification requirements, shall be valid for three years from the date of adoption of this Decision.

Article 5

For administrative purposes, the code number assigned to the product group "Rinse-off cosmetic products" shall be "X".

Article 6

Decision 2007/506/EC is repealed.

Article 7

1. By derogation from Article 6, applications for the EU Ecolabel for products falling within the product group 'soaps, shampoos and hair conditioners' submitted before the date of adoption of this Decision shall be evaluated in accordance with the conditions laid down in Decision 2007/506/EC.

2. Applications for the EU Ecolabel for products falling within the product group 'Rinse-off cosmetic products' submitted from the date of adoption of this Decision but by xxxxx at the latest may be based either on the criteria set out in Decision 2007/506/EC or on the criteria set out in this Decision.

Those applications shall be evaluated in accordance with the criteria on which they are based.

3. Where the Ecolabel is awarded on the basis of an application evaluated in accordance with the criteria set out in Decision 2007/506/EC, that Ecolabel may be used for 12 months from the date of adoption of this Decision.

Article 8

This Decision is addressed to the Member States.

Done at Brussels,

For the Commission
Janez POTOČNIK
Member of the Commission

ANNEX

EU ECOLABEL CRITERIA AND ASSESSMENT AND VERIFICATION REQUIREMENTS

The aim of the criteria

The criteria aim, in particular, at promoting products that have reduced impact on aquatic ecosystems, contain limited amount of hazardous substances and minimise waste production by reducing the amount of packaging.

Criteria for awarding the EU Ecolabel to 'Rinse-off cosmetic products' are set for each of the following aspects:

1. Toxicity to aquatic organisms: Critical Dilution Volume (CDV)
2. Biodegradability
3. Excluded or limited substances and mixtures
4. Packaging
5. Sustainable sourcing of palm oil
6. Fitness for use
7. Information appearing on the EU Ecolabel

Assessment and verification

(a) Requirements

The specific assessment and verification requirements are indicated within each criterion.

Where the applicant is required to provide declarations, documentation, analyses, test reports, or other evidence to show compliance with the criteria, it is understood that those may originate from the applicant and/or his supplier(s) and/or their supplier(s), as appropriate.

Where appropriate, test methods other than those indicated for each criterion may be used if their equivalence is accepted by the competent body assessing the application.

Where possible, the testing shall be performed by laboratories that meet the general requirements of EN ISO 17025 or equivalent.

Where appropriate, competent bodies may require supporting documentation and may carry out independent verifications.

Appendix I makes reference to the detergent ingredient database (DID list) which contains the most widely used ingoing substances used in detergent and cosmetics formulations. It shall be

used for deriving the data for the calculations of the Critical Dilution Volume (CDV) and for the assessment of the biodegradability of the ingoing substances. For substances not present on the DID list, guidance is given on how to calculate or extrapolate the relevant data. The latest version of the DID list is available from the EU Ecolabel website or via the websites of the individual competent bodies.

The following information shall be provided to the competent body:

– The full formulation of the product indicating trade name, chemical name, CAS no. and INCI designations, DID no.[2], the ingoing quantity including and excluding water, the function and the form of all ingredients regardless concentration.

– Safety Data Sheets for each ingoing substance or mixture in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council[3].

* DID no. is the number of the ingoing substance on the DID list ("Detergent Ingredient Database" list), and is used in determining compliance with Criteria 1 and 2.

Part A and Part B of the DID list can be found on the EU Ecolabel website:
http://ec.europa.eu/environment/ecolabel/documents/did_list/didlist_part_a_en.pdf
http://ec.europa.eu/environment/ecolabel/documents/did_list/didlist_part_b_en.pdf

(b) Measurement thresholds

Unless indicated differently, the compliance with the ecological criteria is required for all ingoing substances intentionally added, as well as for by-products and impurities from raw materials, the concentration of which equals or exceeds 0.010 % by weight of final formulation.

For preservatives, colouring agents and fragrances compliance with the criteria is required regardless of their concentration, except for criterion 3(b) on excluded or limited substances and mixtures.

[2] DID no. is the number of the ingoing substance on the DID list ("Detergent Ingredient Database" list), and is used in determining compliance with Criteria 1 and 2. Part A and Part B of the DID list can be found on the EU Ecolabel website:
http://ec.europa.eu/environment/ecolabel/documents/did_list/didlist_part_a_en.pdf,
http://ec.europa.eu/environment/ecolabel/documents/did_list/didlist_part_b_en.pdf.

[3] OJ L 396, 30.12.2006.

Criterion 1 - Toxicity to aquatic organisms: Critical Dilution Volume (CDV)

The total critical dilution volume toxicity (CDV) of the product shall not exceed the following limits:

Product	CDV (l/g AC)
Shampoo, shower products and liquid soaps	18 000
Solid soaps	3 300
Conditioners	28 000
Shaving foams, shaving gels, shaving creams	20 000
Shaving soaps	3 300

The CDV is calculated using the following equation:

$$\mathbf{CDV = \Sigma\ CDV\ (ingoing\ substance\ i) = \Sigma\ weight\ (i) \times DF(i) \times 1\ 000/TFchronic\ (i)}$$

Where:
weight (i) - is the weight of the ingoing substance (in grams) per 1 gram of AC (i.e. normalised weight contribution of the ingoing substance to the AC)
DF (i) - is the degradation factor of the ingoing substance
TF chronic (i) - is the toxicity factor of the ingoing substance (in milligrams/litre).

Assessment and verification: *the applicant shall provide the calculation of the CDV of the product. A spreadsheet for calculation of the CDV value is available on the EU Ecolabel website. The values of DF and TF chronic shall be as given in the Detergent Ingredient Database list-part A (DID list-part A). If the ingoing substance in question is not included in the DID list-part A, the applicant shall estimate the values following the approach described in the DID list-part B and attaching the associated documentation.*

Criterion 2 - Biodegradability

a) Biodegradability of surfactants

All surfactants shall be biodegradable under aerobic conditions.
All non-ionic and cationic surfactants must also be biodegradable under anaerobic conditions.

b) Biodegradability of organic substances

The content of all organic substances in the product that are aerobically non-biodegradable (not readily biodegradable) (aNDBO) and anaerobically non-biodegradable (anNDBO) shall not exceed the following limits:

Product	aNBDO (mg/g AC)	anNBDO (mg/g AC)
Shampoo, shower products and liquid soaps	25	25
Solid soaps	10	10
Conditioners	45	45
Shaving foams, shaving gels, shaving creams	70	40
Shaving soaps	10	10

Rubbing/abrasive agents in hand cleaning agents are not included in the calculation.

Assessment and verification*: the applicant shall provide documentation for the degradability of surfactants as well as the calculation of $aNBDO_{non\text{-}surf}$ and anNBDO for the product. A spreadsheet for use in calculating $aNBDO_{non\text{-}surf}$ and anNBDO values is available on the EU Ecolabel website.*

For both surfactants and $aNBDO_{non\text{-}surf}$ and anNBDO values reference shall be done to the DID List. For ingoing substances which are not included in the DID list, the relevant information from literature or other sources, or appropriate test results, showing that they are aerobically and anaerobically biodegradable shall be provided as described in Appendix I.

In the absence of documentation in accordance with the above requirements, a substance other than a surfactant may be exempted from the requirement for anaerobic degradability if one of the following three alternatives is fulfilled:

1. *Readily degradable and has low adsorption (A < 25%) or*

2. *Readily degradable and has high desorption (D > 75%) or*

3. *Readily degradable and non-bioaccumulating.*

Testing for adsorption/desorption may be conducted in accordance with OECD guidelines 106.

Criterion 3 - Excluded or limited substances and mixtures

a) Specified excluded ingoing substances

The following ingoing substances shall not be included in the product, neither as part of the formulation nor as part of any mixture included in the formulation:

- Alkyl phenol ethoxylates (APEOs) and other alkyl phenol derivatives
- NTA (nitrilo-tri-acetate)
- Boric acid, borates and perborates
- Nitromusks and polycyclic musks
- Octamethylcyclotetrasiloxane (D4)
- Butylated Hydroxi Toluene (BHT)
- Ethylenediaminetetraacetate (EDTA) and its salts and non-readily biodegradable phosphonates.
- The following preservatives: triclosan, parabens (ethyl-, methyl-, propyl- and butyl-parabens), formaldehyde and formaldehyde releasers (bronopol, 5-bromo-5-nitro-1,3-dioxane, sodium hydroxyl methyl glycinate (SHMG), DMDM hydantoin, diazolidinyl urea and imidazolidinyl urea) and nanosilver.
- The following fragrances: Cinnamal, Cinnamyl Alcohol, Citral, Coumarin, Eugenol, Farnesol, Geraniol, Hydroxycitronellal, Hydroxyisohexyl 3-cyclohexene carboxaldehyde (HICC), Isoeugenol, Limonene (oxidised), Linalool (oxidised) and two natural mixtures: Oak moss (Evernia prunastri) and Tree moss (Evernia furfuracea).

Assessment and verification: *the applicant shall provide a completed and signed declaration of compliance supported by declarations from manufacturers of substances, as appropriate, confirming that the listed substances have not been included in the product.*

b) Hazardous substances and mixtures

According to the Article 6(6) of Regulation (EC) No 66/2010 on the EU Ecolabel, the product shall not contain substances meeting criteria for classification with the hazard statements or risk phrases specified below in accordance with Regulation (EC) No 1272/2008 or Directive 67/548/EC nor shall it contain substances referred to in Article 57 of Regulation (EC) No 1907/2006. In case the threshold for classification of a substance or mixture with a hazard statement differs from the one of a risk phrase than the former prevails. The risk phrases below generally refer to substances. However, if information on substances cannot be obtained, the classification rules for mixtures apply.

List of hazard statements and risk phrases:

Hazard Statement[1]	**Risk Phrase**[2]
H300 Fatal if swallowed	R28
H301 Toxic if swallowed	R25
H304 May be fatal if swallowed and enters airways	R65
H310 Fatal in contact with skin	R27
H311 Toxic in contact with skin	R24
H330 Fatal if inhaled	R23/26
H331 Toxic if inhaled	R23
H340 May cause genetic defects	R46
H341 Suspected of causing genetic defects	R68
H350 May cause cancer	R45
H350i May cause cancer by inhalation	R49
H351 Suspected of causing cancer	R40
H360F May damage fertility	R60
H360D May damage the unborn child	R61
H360FD May damage fertility. May damage the unborn child	R60/61/60-61
H360Fd May damage fertility. Suspected of damaging the unborn child	R60/63
H360Df May damage the unborn child. Suspected of damaging fertility	R61/62
H361f Suspected of damaging fertility	R62
H361d Suspected of damaging the unborn child	R63
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.	R62-63
H362 May cause harm to breast fed children	R64
H370 Causes damage to organs	R39/23/24/25/26/27/28
H371 May cause damage to organs	R68/20/21/22
H372 Causes damage to organs through prolonged or repeated exposure	R48/25/24/23
H373 May cause damage to organs through prolonged or repeated exposure	R48/20/21/22
H400 Very toxic to aquatic life	R50
H410 Very toxic to aquatic life with long-lasting effects	R50-53
H411 Toxic to aquatic life with long-lasting effects	R51-53
H412 Harmful to aquatic life with long-lasting effects	R52-53
H413 May cause long-lasting harmful effects to aquatic life	R53
EUH059 Hazardous to the ozone layer	R59
EUH029 Contact with water liberates toxic gas	R29
EUH031 Contact with acids liberates toxic gas	R31
EUH032 Contact with acids liberates very toxic gas	R32
EUH070 Toxic by eye contact	R39-41

Sensitising substances	
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled	R42
H317: May cause allergic skin reaction	R43

[1] *Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006*

[2] *Directive 67/548/EEC with adjustment to REACH according to Directive 2006/121/EC and Directive 1999/45/EC as amended*

Substances or mixtures which change their properties through processing e.g., become no longer bioavailable, or undergo chemical modification in a way that removes the previously identified hazard are exempted from the above requirement.

Derogations:

The following substances are specifically exempted from this requirement:

Fragrances*	H412: Harmful to aquatic life with long-lasting effects H413: May cause long-term adverse effects to aquatic life	R52-53 R53
Preservatives**	H411: Toxic to aquatic life with long-lasting effects H412: Harmful to aquatic life with long-lasting effects H413: May cause long-term adverse effects to aquatic life	R51-53 R52-53 R53
Antifungal, antimicrobial agent: Zinc pyrithione (ZPT)	H400 Very toxic to aquatic life	R50

* *Derogation is only for criterion 3 b). Fragrances shall comply with criterion 3 d).*

** *Derogation is only for criterion 3 b). Preservatives shall comply with criterion 3 e).*

Assessment and verification: *The applicant shall demonstrate compliance with this criterion by providing a declaration on the non-classification of each ingoing substance into any of the hazard classes associated to the hazard statements referred to in the above list in accordance with Regulation (EC) 1272/2008, as far as this can be determined, as a minimum, from the information meeting the requirements listed in Annex VII of Regulation (EC) 1907/2006. This declaration shall be supported by summarized information on the relevant characteristics associated to the hazard statements referred to in the above list, to the level of detail specified in section 10, 11 and 12 of Annex II of Regulation (EC) 1907/2006 (Requirements for the Compilation of Safety Data Sheets).*

Information on intrinsic properties of substances may be generated by means other than tests, for instance through the use of alternative methods such as in vitro methods, by quantitative structure activity models or by the use of grouping or read-across in accordance with Annex XI of Regulation (EC) 1907/2006. The sharing of relevant data is strongly encouraged and competent bodies may ask for additional relevant information.

The information provided shall relate to the forms or physical states of the substance or mixtures as used in the final product.

For substances listed in Annexes IV and V of REACH, exempted from registration obligations under Article 2(7)(a) and (b) of Regulation 1907/2006 REACH, a declaration to this effect will suffice to comply with the requirements set out above.

The applicant shall also demonstrate compliance with this criterion by providing the calculations as required based on the R-phrases/H-statements that apply to the formulation and as indicated using the rules provided by the CLP Regulation.

c) Substances listed in accordance with article 59(1) of Regulation (EC) No 1907/2006

No derogation from the exclusion in Article 6(6) of the Regulation (EC) No66/2010 shall be given concerning substances identified as substances of very high concern and included in the list foreseen in Article 59 of Regulation (EC) No 1907/2006, present in the product in concentrations higher than 0.010 % (weight by weight).

Assessment and verification: *The list of substances identified as substances of very high concern and included in the candidate list in accordance with Article 59 of Regulation (EC) No 1907/2006 can be found here:*

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

Reference to the list shall be made on the date of application. The applicant shall provide the exact formulation of the product to the competent body. The applicant shall also provide a declaration of compliance with this criterion, together with related documentation, such as declarations of compliance signed by the material suppliers and copies of relevant Safety Data Sheets for substances or mixtures.

d) Fragrances

(i) Products intended for infants, babies and children under the age of three year shall be fragrance-free. Infant, baby and/or children products refers to products that are marketed as designed and intended for infants, babies and/or children or have any of these words on the label/packaging.

(ii) Any ingoing substance added to the product as a fragrance shall be manufactured and handled following the code of practice of the International Fragrance Association (IFRA). The code can be found on IFRA website: http://www.ifraorg.org. The recommendations of the IFRA Standards concerning prohibition, restricted use and specified purity criteria for materials shall be followed by the manufacturer.

Assessment and verification: *the applicant shall provide a declaration of compliance.*

e) Preservatives

(i) The product may only include preservatives in order to preserve the product, and in the appropriate dosage for this purpose alone. This does not refer to surfactants, which may also have biocidal properties.

(ii) Preservatives must not release substances that are classified in accordance with the requirements of Criterion 3b or/and are endocrine disrupters[4].

(iii) It is prohibited to claim or suggest on the packaging or by any other communication that the product has an antimicrobial or disinfecting effect.

(iv) The product may contain preservatives provided that they are not bioaccumulating. A biocide is not considered bioaccumulating if BCF < 100 or logPow < 3,0. If both – BCF and logPow – values are available, the highest measured BCF value shall be used.

Assessment and verification: *the applicant shall provide copies of the Safety Data Sheets of any preservative added, together with information on their BCF and/or logPow values and information on their exact concentration in the product. The manufacturer or supplier of the preservatives shall provide information on the dosage necessary to preserve the product.*

f) Colorants

Colorants allowed in the product must not be bioaccumulating. A colorant is considered not bioaccumulating if BCF < 100 or logPow < 3.0. If both – BCF and logPow – values are available, the highest measured BCF value shall be used. In the case of colouring agents approved for use in food it is not necessary to submit documentation of bioaccumulation potential.

Assessment and verification: *the applicant shall provide copies of the Safety Data Sheets of any colorants added, or documentation to ensure that the colouring agent is approved for use in food.*

Criterion 4 - Packaging

a) Primary packaging

Primary packaging shall be in direct contact with the contents.

No additional packaging for the product as it is sold, e.g. carton over a bottle, is allowed, with the exception of secondary packaging which groups two or more products together (e.g. the product and refill).

[4] Available at: http://ec.europa.eu/environment/endocrine/strategy/substances_en.htm#priority_list.

Assessment and verification: *the applicant shall provide completed and signed declaration of compliance.*

b) Packaging Impact Ratio (PIR)

The Packaging Impact Ratio (PIR) must be less than 0.28 g of packaging per gram of product. Pre-shaving products packed in metal aerosol containers are exempted from this requirement.

PIR shall be calculated as follows:

PIR= Sum (Wi + (Wirefill x F) + Ni + (Nirefill x F)) / (D + (Drefill x F))

Where:

Wi	*– weight of packaging (primary + proportion of secondary, including labels)*
Wirefill	*– weight of refill packaging (primary + proportion of secondary, including labels)*
Ni	*– weight of Non renewable + non-recycled packaging (primary + proportion of secondary, including labels)*
Nirefill	*– weight of non-renewable and non-recycled refill packaging (primary + proportion of secondary, including labels)*
D	*– weight of product contained by the "parent" pack*
Drefill	*– weight of product delivered by the refill*
F	*– number of refills required to meet the total refillable quantity, calculated as follows:*

F = V x R / Vrefill

Where;

V	*– volume capacity of the parent pack*
Vrefill	*– volume capacity of the refill pack*
R	*– the refillable quantity. This is the number of times that the parent pack can be refilled. Where F is not a whole number it should be rounded up to the next whole number*

Assessment and verification: *the applicant shall provide the calculation of the PIR of the product. A spreadsheet for this calculation is available on the EU Ecolabel website. The applicant shall provide a completed and signed declaration for the content of recycled or material from renewable origin in the packaging and a description of the refill system offered,*

if applicable (kinds of refills, volume). For approval of refill packaging, the applicant and/or retailer shall document that the refills will be/are available for purchase on the market.

c) Bleaching process and sustainable sourcing of virgin wood fibres for paper and cardboard packaging

Chlorine gas or other chlorinated compounds shall not be used as a bleaching agent for paper and cardboard packaging.

Virgin wood fibres used for paper and cardboard packaging shall be demonstrated to be produced from forest managed according to the principles of Sustainable Forestry Management (SFM).

Assessment and verification: *Manufacturers shall provide a declaration of compliance with the criterion. If virgin fibres are used, documentation to prove that forests from which virgin wood fibres used for producing the product packaging are obtained are managed according to Sustainable Forest Management principles shall also be provided. For verification, certificates of chain of custody for the wood fibres certified as FSC, PEFC or any other sustainable forest management official standard will be accepted as proof of compliance.*

d) Design of primary packaging

The primary packaging must be designed to make correct dosage easy (e.g. by ensuring that the opening at the top is not too wide) and to ensure that at least a 90% of the product can be removed easily from the container. The residual amount of the product in the container (R), which must be below 10%, shall be calculated as follows:

$$R = ((m2-m3) / (m1-m3))$$

Where:

m1 **-** Primary packaging and product
m2 **-** Primary packaging and product residue in normal conditions of use
m3 **-** Primary packaging emptied and cleaned

Assessment and verification: *the applicant shall submit a description of the dosage device and results of test for measuring the residual quantity of a rinse-off cosmetic product in the packaging. The test procedures for measuring the residual quantity are described in the user manual available on the EU Ecolabel website.*

e) Disassembly of primary packaging

All materials in the packaging shall be separable by hand (paper, cardboard, plastic, metal, glass) for sorting or shall be suitable for recycling. Packaging elements such as caps or labels also have to be considered to ensure that these elements do not pose difficulties in recycling processes.

Assessment and verification*: the applicant shall submit a completed and signed declaration of compliance and a sample of primary packaging.*

Criterion 5 – Sustainable sourcing of palm oil

Palm oil and palm kernel oil used as an ingredient must be sourced from sustainably managed plantations.

Assessment and verification: *the applicant shall provide supply-chain evidence that the palm oil originates from a certified source. Such evidence may be RSPO certification (identity preserved, segregated or mass balance) or their equivalent. Where the applicant is using chemical derivatives of palm oil, defined by the RSPO in the "RSPO Rules for Home and Personal Care Derivatives"[5], it is acceptable to demonstrate sustainability for these through book and claim systems such as GreenPalm or equivalent. The conversion factors listed in the RSPO Rules should be used to calculate the number of certificates required.*

Criterion 6 – Fitness for use

The product's capacity to fulfil its primary function (e.g. cleaning, conditioning) and any secondary functions claimed (e.g. anti-dandruff, colour protection, etc.) shall be demonstrated either through laboratory test(s) or a consumer test. The tests shall be conducted following the "Guidelines for the Evaluation of the Efficacy of Cosmetic Products"[6].

Assessment and verification: *the applicant shall document the test protocol that has been followed in order to test the products efficacy. Applicants shall present results from this protocol that demonstrate that the product fulfils its primary function and which substantiate the claims placed on the product label and/or packaging (i.e. secondary functions).*

[5] Available at: http://www.greenpalm.org/upload/files/45/RSPO_Guiding_Rules_for_HPC_derivativesV9.pdf.
[6] Available at: https://www.cosmeticseurope.eu/publications-cosmetics-europe-association/guidelines.html?view=item&id=23 and the EU Ecolabel website.

Criterion 7 – Information appearing on the EU Ecolabel

The logo should be visible and legible. The use of the EU Ecolabel logo is protected in primary EU law. The EU Ecolabel registration/licence number must appear on the product, it must be legible and clearly visible.

The optional label with text box shall contain the following text:

- Reduced impact on aquatic ecosystems,
- Fulfils strict biodegradability requirements,
- Limits packaging waste.

The guidelines for the use of the optional label with text box can be found in the "Guidelines for use of the Ecolabel logo" on the website:

http://ec.europa.eu/environment/ecolabel/documents/logo_guidelines.pdf

Assessment and verification: *the applicant shall provide a sample of the product label, together with a declaration of compliance with this criterion.*

Appendix I

Detergents Ingredients Database (DID) list

The DID list (part A) is a list containing information of the aquatic toxicity and biodegradability of ingoing substances typically used in detergent formulations. The list includes information on the toxicity and biodegradability of a range of substances used in washing and cleaning products. The list is not comprehensive, but guidance is given in part B of the DID list concerning the determination of the relevant calculation parameters for substances not present on the DID list (e.g. the Toxicity Factor (TF) and degradation factor (DF), which are used for calculation of the critical dilution volume). The list is a generic source of information and substances present on the DID list are not automatically approved for use in EU Ecolabelled products. The DID list (part A and B) can be found on the EU Ecolabel website.

For substances with no data regarding aquatic toxicity and degradability, structure analogies with similar substances may be used to assess the TF and DF. Such structure analogies shall be approved by the competent body granting the EU Ecolabel license. Alternatively, a worst case approach shall be applied, using the parameters below:

Worst case approach:

	Acute toxicity			Chronic toxicity			Degradation		
Ingoing substance	LC50/EC50	$SF_{(acute)}$	$TF_{(acute)}$	NOEC*	$SF_{(chronic)}$*	$TF_{(chronic)}$	DF	Aerobic	Anaerobic
"Name"	1 mg/l	10,000	0.0001			0.0001	1	P	N

* If no acceptable chronic toxicity data are found, these columns are empty. In that case TF(chronic) is defined as equal to TF(acute)

Documentation of ready biodegradability

The following test methods for ready biodegradability shall be used:

(1) Until 1 December 2010 and during transition period from 1 December 2010 to 1 December 2015:

The test methods for ready biodegradability provided for in Council Directive 67/548/EEC, in particular the methods detailed in Annex V.C4 to that Directive, or their equivalent OECD 301 A-F test methods, or their equivalent ISO tests.

The 10 days window principle shall not apply for surfactants. The pass levels shall be 70% for the tests referred to in Annex V.C4-A and C4-B to Directive 67/548/EEC (and their equivalent OECD 301 A and E tests and ISO equivalents), and shall be 60% for tests C4-C, D, E and F (and their equivalent OECD 301 B, C, D and F tests and ISO equivalents).

(2) After 1 December 2015 and during transition period from 1 December 2010 to 1December 2015:

The test methods provided for in Regulation (EC) No 1272/2008 of 16 December 2008[7].

Documentation of anaerobic biodegradability

The reference test for anaerobic degradability shall be EN ISO 11734, ECETOC No. 28 (June 1988), OECD 311 or an equivalent test method, with the requirement of 60% ultimate degradability under anaerobic conditions. Test methods simulating the conditions in a relevant anaerobic environment may also be used to document that 60% ultimate degradability has been attained under anaerobic conditions.

Extrapolation for substances not listed in the DID-list

Where the ingoing substances are not listed in the DID-list the following approach may be used to provide the necessary documentation of anaerobic biodegradability:

(1) Apply reasonable extrapolation. Use test results obtained with one raw material to extrapolate the ultimate anaerobic degradability of structurally related surfactants. Where anaerobic biodegradability has been confirmed for a surfactant (or a group of homologues) according to the DID-list, it can be assumed that a similar type of surfactant is also anaerobically biodegradable (e.g., C12-15 A 1-3 EO sulphate [DID No. 8] is anaerobically biodegradable, and a similar anaerobic biodegradability may also be assumed for C12-15 A 6 EO sulphate). Where anaerobic biodegradability has been confirmed for a surfactant by use of an appropriate test method, it can be assumed that a similar type of surfactant is also anaerobically biodegradable (e.g., literature data confirming the anaerobic biodegradability of surfactants belonging to the group alkyl ester ammonium salts may be used as documentation for a similar anaerobic biodegradability of other quaternary ammonium salts containing ester-linkages in the alkyl chain(s)).

(1) Perform screening test for anaerobic degradability. If new testing is necessary, perform a screening test by use of EN ISO 11734, ECETOC No. 28 (June 1988), OECD 311 or an equivalent method.

(2) Perform low-dosage degradability test. If new testing is necessary, and in the case of experimental problems in the screening test (e.g. inhibition due to toxicity of test substance), repeat testing by using a low dosage of surfactant and monitor degradation by ^{14}C measurements or chemical analyses. Testing at low dosages may be performed by use of OECD 308 (August 2000) or an equivalent method.

[7] OJ L 353/1, 31.12.2008.