



THE CIBJO BLUE BOOK SERIES

THE Coral Book



Table of Contents

TABLE OF CONTENTS.....	II
FOREWORD.....	IV
BACKGROUND:.....	V
INTRODUCTION.....	VI
GEMSTONE, ORGANIC/BIOGENIC MATERIALS AND ARTIFICIAL PRODUCT CHART	VII
1 SCOPE	1
2 NORMATIVE REFERENCES	1
3 CLASSIFICATION OF MATERIALS.....	2
3.1 NATURAL MATERIALS	2
3.2 ARTIFICIAL PRODUCTS.....	2
4 NORMATIVE CLAUSES	3
4.1 GENERAL CLAUSES	3
4.2 CORAL CLAUSES	5
4.3 ARTIFICIAL PRODUCTS CLAUSES	8
5 TERMS AND DEFINITIONS	10
6 ANNEX A — CORAL CARE REQUIREMENTS.....	22
6.1 NORMAL CARE.....	22
6.2 SPECIAL CARE	22
6.3 FADING AND OTHER COLOUR CHANGES	23
7 ANNEX B — NORMATIVE TRADE CODES	23
7.1 TRADE CODES.....	23
7.2 N CODE	23
7.3 CODES TO DISCLOSE TREATED CORALS THAT REQUIRE GENERAL INFORMATION	23
7.4 CODES TO DISCLOSE TREATED CORALS THAT REQUIRE SPECIFIC INFORMATION.....	23
7.5 SC CODE.....	24
CORAL TAXONOMY CHART.....	25
ANNEX C — CORAL DESCRIPTIONS AND DEFINITIONS.....	26
7.6 PRECIOUS CORAL DESCRIPTION AND DEFINITION	26
7.7 PRECIOUS CORAL COMMERCIAL NAMES	27
7.8 DISTINCTION BETWEEN PRECIOUS CORAL AND COMMON CORAL.....	28
7.9 COMMON CORAL SPECIES	28
CORAL GROUPS INCLUDED IN THE CITES APPENDICES II.....	29
CORAL GROUPS INCLUDED IN THE CITES APPENDIX III.....	29

CORAL GROUPS WHICH ARE NOT INCLUDED IN THE CITES APPENDICES.....	29
INTERNATIONAL REGULATION.....	30
INDEX.....	31

Foreword

CIBJO is the French acronym for the Confédération Internationale de la Bijouterie, Joaillerie, Orfèvrerie, des Diamants, Perles et Pierres, which in English translates to the International Confederation of Jewellery, Silverware, Diamonds, Pearls and Stones (normally shortened to the International Jewellery Confederation). Founded in 1926 as BIBOAH, a European organisation whose mission was to represent and advance the interests of the jewellery trade in Europe, it was reorganised in 1961 and renamed CIBJO, in 2009 it was once again reorganised and officially named “CIBJO, The World Jewellery Confederation”. Today CIBJO, which is domiciled in Switzerland, is a non-profit confederation of national and international trade associations including commercial organisations involved in the jewellery supply chain. It now has members from countries representing all five continents of the world. CIBJO printed its first deliberations on terminology and trade practices in 1968.

It is the task of CIBJO to record the accepted trade practices and nomenclature for the industry throughout the world. The records of the trade practices complement existing fair trade legislation of a nation or in the absence of relevant national laws they can be considered as trading standards. In countries where laws or norms exist, which conflict with the laws, norms or trade practices in other countries, CIBJO will support the national trade organisations to prevent trade barriers developing. The purpose of CIBJO is to encourage harmonisation, promote international co-operation within the jewellery industry, consider issues which are of concern to the trade worldwide and to communicate proactively with members. Foremost amongst these the aim is to protect consumer confidence in the industry. CIBJO pursues all of these objectives through informed deliberation and by reaching decisions in accordance with its Statutes. CIBJO relies upon the initiative of its members to support and implement its standards, and to protect the trust of the public in the industry.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

The work of CIBJO is accomplished through Committees, Commissions and Sectors. Committees and Commissions consider standards for use in the jewellery supply chain. Sectors represent levels of trade in the jewellery industry. Sectors and commissions advise the Executive Committee on current trade practices and issues that affect the jewellery industry.

Three independent sectors exist within the confederation:

Sector A — The Products Sector
Sector B — The Supply Chain Sector
Sector C — The Service Sector

The Executive Committee may appoint Commissions that consider detailed issues. At present these are:

Coloured Stone

Coral
Diamond
Ethics
Gemmological
Pearl
Marketing & Education
Precious Metals
Responsible Sourcing

The Commissions for Coral, Diamonds, Gemstones, Pearls and Precious Metals have collated the guidelines, which present the accepted trade practices for applying descriptions to these materials. It is in the best interest of all those concerned to be aware of them.

The Sectors and Commissions will propose changes in the standards, also known as the Blue Books, to the Executive Committee. After review the Executive Committee will submit the accepted proposals for adoption to the Board of Directors and if approved they will notify the assembly of delegates of the changes at the annual congress. Furthermore, it is our mutual responsibility to support these recommendations, which concern all professional people connected with coral, diamonds, gemstones, pearls and precious metals. CIBJO Standards are subject to government regulations in the respective jurisdictions of CIBJO members.

The national umbrella organisation for each country represents, in principle, all the national trade organisations involved in the sectors mentioned above. This democratic structure, which has contributed to CIBJO's world-wide recognition also includes international trade and commercial organisations, it provides an international forum for the trade to collectively draw attention to issues and implement resulting decisions.

CIBJO Secretariat:

CIBJO, The World Jewellery Confederation
Viale Berengario, 19, 20149 Milano, Italy

Tel: +39-02-4997-7098 / 7097 /6187

E-mail: cibjo@cibjo.org

Website: www.cibjo.org

Background:

CIBJO's status on the Economic and Social Council of the United Nations (ECOSOC) enables it to represent the jewellery industry and present its strategy and objectives in support of the UN development goals. CIBJO's strategy in this respect is multi-layered. It serves to protect its constituents from factors that threaten the confidence of consumers in the jewellery industry, as well as factors that threaten the confidence of consumers in the jewellery product itself, and at the same time promote the jewellery industry, which creates sustainable economic and social opportunity in the countries

and regions in which it is active.

The harmonisation of industry standards is a critical element of CIBJO's mission and stands at the heart of its effort to protect the confidence of consumers in the jewellery product itself. To advance the goal of universal standards and terminology in the jewellery industry, CIBJO developed its "Blue Book" system, which involves a definitive set of standards for the grading, methodology and nomenclature of diamonds, coloured gemstones, pearls and other organic materials, precious metals and gemmological laboratories

Introduction

This CIBJO Coral book is designed to assist all those involved with coral and artificial products, by recording the accepted trade practices and nomenclature for the industry throughout the world.

The standard/rules are non-judgmental and the definitions and clauses contained herein are designed to prevent unfair or deceptive trade practices, they are formatted and worded to ensure that each gemstone and artificial products bought or sold is done with clarity and honesty. The stability of the market place depends up on the use of the proper nomenclature and the declaration of all known facts that ensure a fully informed purchase or sale, throughout the distribution pipeline all the way to the final consumer.

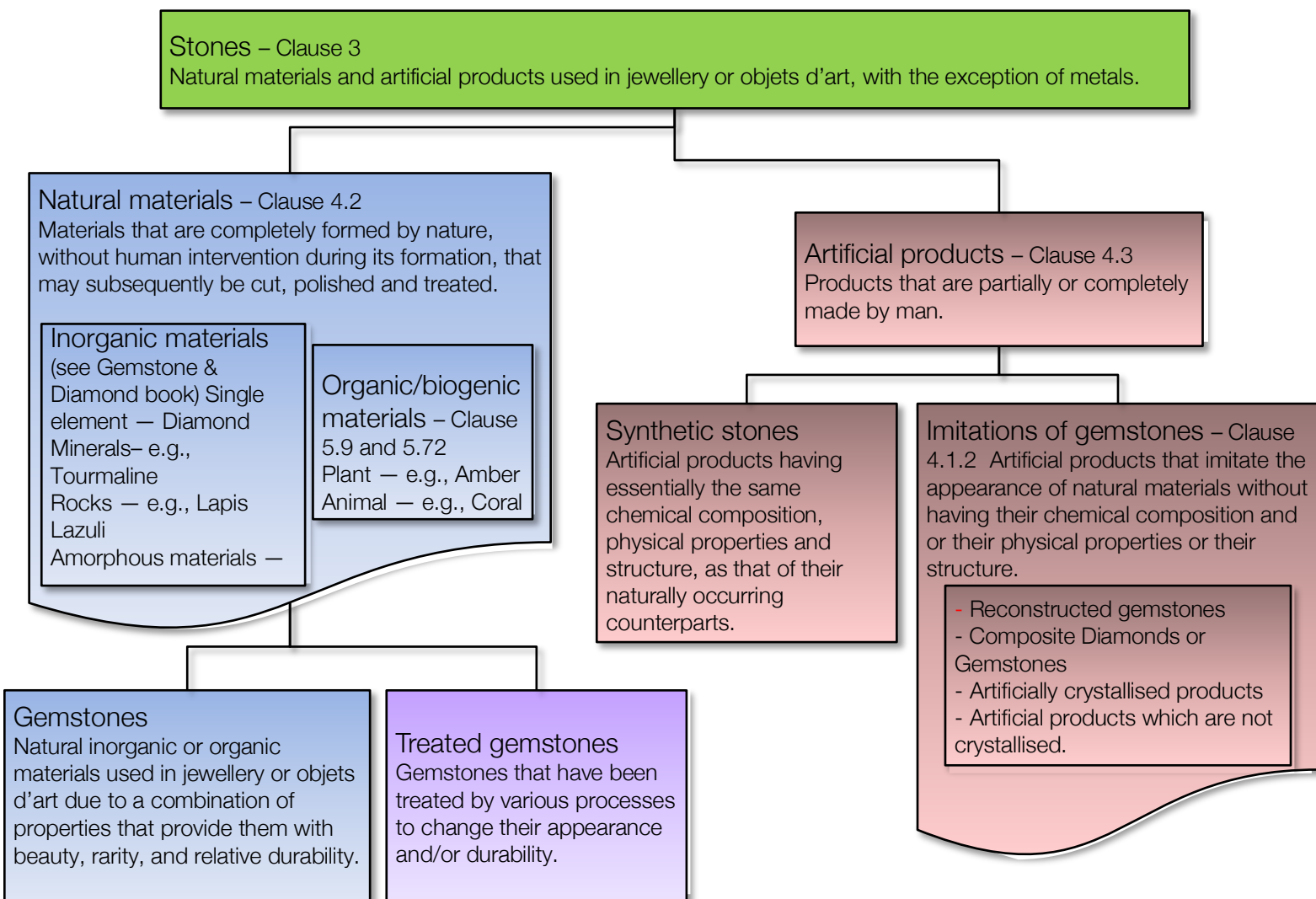
The following definitions apply in understanding how to implement a CIBJO standard and the normative references, e.g., where applicable ISO Standards.

- "shall" indicates a requirement;
- "should" indicates a recommendation;
- "may" is used to indicate that something is permitted;
- "can" is used to indicate that something is possible.

The Scope (1) of the book is set out, as are the Normative References (2). The Terms and Definitions (5) are expansive and are extensively cross referenced throughout the Classifications of Materials (3), and Normative Clauses (4). It is important that the reader refers to the relevant Terms and Definitions (5) when consulting each Normative Clause.

The CIBJO Coral Commission
October 2023

Gemstone, organic/biogenic materials and artificial product chart



CORAL AND ARTIFICIAL PRODUCTS — TERMINOLOGY AND CLASSIFICATION

1 Scope

The terminology and classification of coral (5.27) and artificial products (5.5) are established with reference to commercial usage, in conformity with the classifications and practices of the coral, artificial product and jewellery trades. It shall be used by all traders participating as members of CIBJO member organisations within all member nations.

Note — CIBJO recognises that its standards are subject to government regulations in the respective jurisdiction of CIBJO members. In the event there are no government regulations in a member's country, the local industry regulation will take precedence as long as it is stricter.

2 Normative references

The following references and conventions are useful for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced guides (including any amendments) applies.

The CIBJO Diamond Book,
The CIBJO Gemstone Book,
The CIBJO Coral Book,
The CIBJO Precious Metal Book,
The CIBJO Responsible Sourcing Book, and
The CIBJO Gemmological Laboratory Book,

CIBJO (International Confederation of Jewellery, Silverware, Diamonds, Pearls and Stones), the World Jewellery Confederation, Viale Berengario 19, 20149, Milano, Italy.
cibjo@cibjo.org

Convention on International Trade in Endangered Species of Wild Fauna and Flora, Appendices I, II and III valid from 10 March 2016. International Environment House Chemin des Anémones CH-1219 Châtelaine, Geneva, Switzerland, info@cites.org.

International Standard, ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories ISO/IEC 17025:2005(E) Case postale 56 • CH-1211 Geneva 20, http://www.iso.org/iso/catalogue_detail.htm?csnumber=62163.

WORMS - World Register of Marine Species - a taxonomically oriented database which aims to provide an authoritative, permanently updated account of all molluscan species.
<http://www.marinespecies.org>

3 Classification of materials

The jewellery industry recognises two categories of materials: natural materials, clause 3.1 and artificial products, clause 3.2.

3.1 Natural materials

3.1.1 Corals

Cnidarians with skeletons are referred to collectively as “coral”. Corals (5.27) are marine invertebrates formed by nature without human intervention. Corals may have been subsequently modified by normal lapidary practices.

3.1.1.1 Precious corals

Precious corals are those that are used in jewellery and decoration, specifically red, pink and white varieties with porcelain like luster after polishing. They are limited to few species belonging to the *Corallidae* family, consisting of the three following groups: *Corallium*, *Pleurocorallium* and *Hemicorallium*. They have a specific gravity of approximately 2.8 and a hardness of 3½ on Mohs scale.

3.1.1.2 Common corals

a.

Common corals may be of calcareous type e.g., sponge coral (5.92), bamboo coral (5.8) some have soft skeletons black coral (5.12), golden coral (5.47). Some are reef corals like the blue coral (5.13). After treatment, some species are sometimes used as ornaments.

3.1.2 Treated corals

Precious corals and common corals which have been treated to change/modify their appearance and/or durability. See clause 4.2.5.

3.2 Artificial products

Products that are partially or completely made by man, see clause 4.3.

3.2.1 Imitations of corals

Artificial products (5.5) that imitate the appearance of natural materials (5.68), specifically precious corals and common corals, without having their chemical composition and/or their physical properties or their structure.

3.2.1.1 Artificially produced composite stones (see clause 4.3.2.2.)

Composite products (5.26) composed of two or more previously separate parts or layers assembled by bonding or other artificial methods. Their components can be natural and/or artificial.

3.2.2 Other artificial products

Artificial products (5.5) that imitate the appearance of corals.

4 Normative clauses

4.1 General clauses

4.1.1 Description and display

All materials classified in clause 3 shall be named, described and displayed in accordance with the definitions, annexes and the terminology set out in all the clauses herein. This applies to all publications, advertisements (5.1), communications addressed to consumers, and to the general (5.44) or specific information (5.91) given to a purchaser, prior to or during a final sale, as well as to all commercial documents (5.23) (e.g., offers, labels, memos, delivery notes and invoices) and to appraisals, gemmological identification and classification reports, etc.

4.1.1.1 Disclosure

Full disclosure (5.32) by the vendor to the purchaser of all material information (5.59) shall take place whether or not the information is specifically requested and regardless of the effect on the value of the product being presented or sold.

4.1.1.1.1 Verbal disclosure

Full verbal disclosure (5.33) shall take place using clear and understandable language prior to the completion of a sale.

4.1.1.1.2 Written disclosure

Full written disclosure (5.33) shall be conspicuously included on all commercial documents (5.23) in clear and plain language so as to be readily understandable to the purchaser. The disclosure shall immediately precede the description of the materials listed in clause 3 and shall be equally conspicuous to that description.

4.1.1.1.3 Terms used to disguise

It is contrary to the purposes of this document to make any misleading or deceptive statement, representation or illustration relating to origin, formation, production, condition or quality that does not conform in all respects with the clauses contained herein.

The terms “natural treated coral” or “treated natural coral” shall not be used because they can be misleading.

4.1.1.1.4 Display

In cases when coral is displayed, or jewellery is decorated, with treated coral that require specific information (5.91) and or with composites, reconstructed coral and imitations, an easily noticeable and legible label adjoining each item shall clearly indicate the precise

nature of the objects being shown in accordance with the clauses herein.

4.1.1.1.5 Cultured

The term “cultured” (5.28) or “cultivated” shall only be used for cultured pearls.

4.1.1.1.6 The names of cuts

The name of coral cuts/shapes shall only be used in conjunction with the correct name of the materials from which they have been fashioned.

Examples — “through , half or not drilled coral beads”, “oval and round coral cabochon”, “marquise”, “baguette”, “emerald cut coral cabochon”, “pear-shape”, “drop-shape coral”, “barrel, cylinder, olive, tube and baroque coral shape” and “carved coral”.

4.1.2 Weight (mass)

4.1.2.1 Gram

The weight (5.101) of a coral shall be expressed in gram (g); The weight of a coral shall be stated in gram to two decimal places.

4.1.2.2 Momme, Kin and Kan

The units commercially used among the traders, fishermen and auction dealers for weighing coral in Japan and Taiwan. The International System of Units is also used:

1 momme is equivalent to 3.75 gram

1 kin is equivalent to 600 gram

1 kan is equivalent to 3,750 gram

4.1.2.3 Weight rounding

Weight shall be rounded downwards by considering the second decimal, for example:

0.125 g = 0.12 g

0.196 g = 0.19 g

1.999 g = 1.99 g

Note — It is unfair trade practice to misrepresent the weight or to deceive as to the weight of any coral. It is also an unfair trade practice to state or otherwise represent the weight of all coral contained in any article unless such weight figure is accompanied with equal emphasis and prominence by the words “total weight”, or words of similar meaning, so as to indicate clearly that the weight so stated or represented is that of all coral in the article and not that of the centre or largest one.

4.1.2.4 Total weight

The total weight of corals and other gems contained in the same article can only be stated providing it is accompanied, with equal emphasis and conspicuousness, by the total separate weight(s) of each variety or species of coral.

4.1.3 Measurements

The measurements of a coral shall be expressed in millimetres to two decimal places. The following measurements shall apply:

- round and oval shape: minimum diameter:
- other shapes: length, width and depth (total height).

4.2 Coral clauses

4.2.1 Use of term

Only corals that conform to the definition contained in 5.27 and 5.78 shall be described as natural coral and all descriptions for natural coral shall conform to the content of all other clauses herein.

4.2.2 The terms “real”, “genuine” or “natural”

The adjectives “real” (5.81), “genuine” (5.46) or “natural” (5.68) shall only be used to refer to or designate natural corals.

NOTE — It is unnecessary to note the genesis of a natural material, as the use of the correct name of the material alone and without qualification states that it is natural.

4.2.3 Place of origin

4.2.3.1 Geographical areas

Names of geographical areas shall only be used when they denote the areas where coral have been collected (place of origin).

4.2.3.2 Origin opinion

When places of origin for coral are presented they shall be considered as a matter of opinion.

4.2.3.3 Origin and quality

Place of origin does not imply a level of quality.

4.2.4 Commercial names

4.2.4.1 Approval of commercial names

All commercial names, whether new or old, shall be submitted to CIBJO for approval and inclusion within this standard.

4.2.4.2 Names of corals used in direct conjunction with each other

Do not use the names of coral in direct conjunction with each other (for description of colour or otherwise) in such a fashion, that the identity of the material is not apparent: i.e. “Sardinian very dark” and “oxblood colour”.

4.2.5 Treated corals

It is in the best interest and responsibility of the trade for consumers to be fully informed with regards to any treatments applied to coral. Treatments may impact a coral’s value, and are often not permanent or may require special care; the seller shall therefore inform the purchaser about the treatment and any special care requirements. For special care requirements also see clause 6.

Coral treated by methods requiring specific information are:

4.2.5.1 Substances present in fissures that do not add colour

Coral that have fissures (5.38) permeated (5.76) with agents such as oil, wax, resin, polymer, or any similar substances.

NOTE — When filled fissures are polished flush with the surface of the stone, the filler will be found to have a different polished surface lustre to the host material, when viewed at 10 power magnifications by a trained observer.

4.2.5.2 Oiling

Colourless oiling specifically on carvings and figurines is a routine lapidary practice to assist in the polishing process and to enhance lustre.

Note— The oil may dry over time due to dehydration.

4.2.5.3 Heating

Coral permanently treated by heating (5.50). If such modification has been undertaken to make the corals look antique (i.e. Sciacca), it shall be disclosed.

4.2.5.4 Bleaching

Black coral treated to golden by bleaching (5.11).

4.2.5.5 Surface waxing

Coral that change colour with the use of agents such as oil, wax or organic fluid require specific information (5.91).

4.2.5.6 Dyes or other colouring agents

Coral with a colour treated by dyes (5.36) or other colouring agents.

4.2.5.7 Filling of fractures and cavities

Coral treated by the filling (5.37) of open fractures (5.40) or cavities.

4.2.5.8 Impregnation

Coral treated by impregnation (5.52) with polymers or similar substances.

Note — This clause does not include the bonding of powdered materials. These are artificial products.

4.2.5.9 Coating

Coral treated by coating (5.21).

4.2.5.10 Other treatments requiring specific information

Treatments requiring specific information (5.91), other than those mentioned in clause must be disclosed.

4.2.5.11 Disclosure requirements for treated coral requiring specific information on treatments

Coral requiring specific information on a treatment listed in clause 4.2.5. where the treatment shall be described by the correct name of its untreated counterpart immediately preceded by the word “treated” (except as in the Note 1 below) and shall, prior to the closing of the sale, require a verbal explanation that the coral has been treated. In the event of a written presentation, the word “treated” shall be of equal emphasis and prominence, with characters of the same size and colour as those of the name itself. Do not abbreviate or place an asterisk next to the name of a coral making reference to a footnote explanation of the fact that the stone is treated.

Note 1 — As an alternative to clause 4.2.5.11 the word “treated” may be replaced by the following terms (where these terms apply is indicated by the relevant clause(s) in parenthesis and following the term) providing that the application of these terms adhere to the requirements regarding the term “treated”.

“Dyed” (5.36), “Fracture filled” (5.41), “Impregnated” (5.52), “Coated” (5.21).

It is the responsibility of the seller to disclose irradiated coral in accordance to national regulations.

4.2.5.11.1 Display

When materials described in clauses or merchandise containing these materials are displayed (whether alone or mixed with other natural materials, in a single piece of merchandise or otherwise), easily noticeable and legible labels, adjoining these loose stones or pieces of merchandise shall clearly indicate the precise nature of the objects being shown in accordance with the clauses herein.

4.2.5.12 Trade codes

Trade codes (5.95) listed in clause 7 Annex B shall only be used within the industry; they are not to be used for the consuming public. The codes are intended to facilitate the insertion of vital information on tags attached to merchandise, on invoices, and on other commercial documents that are used within the trade.

For definitions and instructions on how to use trade codes refer to clause 7 Annex B.

4.3 Artificial products clauses

4.3.1 General clauses

Any artificial product (5.5) may in certain situations comply with the classification and definition of an imitation (5.51). When this occurs the product may be described in accordance with clause 4.3.

4.3.1.1 Display

When artificial products or merchandise containing artificial products are displayed (whether alone or mixed with natural materials, in a single piece of merchandise or otherwise), easily noticeable and legible labels, adjoining these loose products or pieces of merchandise shall clearly indicate the precise nature of the objects being shown in accordance with the clauses herein.

4.3.1.2 Names of geographic areas

Names of geographical areas producing coral and names of cutting or exporting centres shall not be used when referring to artificial products.

4.1.1.1. The terms “real”, “precious”, “genuine” and “natural” etc.

Refrain from the use of adjectives such as “real” (5.81), “precious” (5.79), “genuine” (5.46), “natural” (5.68), or any word or phrase of a similar meaning including “precious stone”, “gemstone” or “ornamental stone” in descriptions of artificial products.

4.1.1.2. Names of natural materials

Do not use the name of any natural material in direct conjunction with the name of an artificial product (for description of colour or otherwise) in such a fashion, that the identity of the coral is not apparent.

Example: correct: “treated coral”
 not correct: “natural treated coral”

4.1.2. Imitations of coral

4.1.2.1. Description and display

The name of a coral imitation shall be used in conjunction with the term “artificial product” (5.5) or “artificial coral” (5.6) (except as in clause 4.3) which must appear, in the event of a written presentation, with equal emphasis and prominence, with characters of the same size and colour as those of the name itself. Do not abbreviate. Do not place an asterisk next to the name of an artificial coral, making reference to a footnote explanation of the fact that the product is artificial.

4.1.2.1.1. Name similarities

The name of a coral imitation shall not show a similarity to the name, or sound of the name (neither entirely, nor abbreviated, nor by way of an allusion), of any natural material nor be an established name for another coral imitation.

4.1.2.1.2. Terms other than “artificial product” or “artificial coral”

Do not use a qualifying term other than “artificial product” (5.5) or “imitation of coral” to describe any artificial coral except as allowed for in clause 4.1.2.

4.1.2.2. Artificially produced composite coral

4.1.2.2.1. Description and display

Artificially produced composite products (5.26) shall (except as in clause 4.3) be described by the words “doublet” (two parts) or “triplet” (three parts) or “composite” (more than three parts — see also clause 4.1.2.2.4 below), and these words shall be immediately preceded or followed by the correct names of the components of the assembled product (except as in clauses 4.1.2.2.2 and 4.1.2.2.3), the names of which shall be mentioned from the upper part downwards and be separated by a slash (/). However, if all parts of a composite (excluding the bonding agent) are the same material, the name of this material shall be stated *only* once. The words “doublet” (5.34) or “triplet” (5.98) or “composite” (5.26) must appear, in the event of a written presentation, with equal emphasis and prominence, with characters of the same size and colour as those of the names of the components. Do not abbreviate. Do not place an asterisk next to any name or combination of names, making reference to a footnote explanation of the fact that the product is a composite coral.

4.1.2.2.2. Coral doublet

A composition of two pieces where a slice of natural coral is bonded to a base material shall be called a “coral doublet” or “doublet coral”.

4.1.2.2.3. Coral triplet

A composition of three pieces where a thin slice of natural coral is bonded to a dark base and provided with a transparent top layer, must be called a “coral triplet” or “triplet coral”.

4.1.2.2.4. Coral mosaic

The word “composite” shall be replaced by the word “mosaic”, when the various parts of the composite are placed side by side (to create a picture or pattern or otherwise) providing that the application of this term adheres to the requirements regarding the term “composite” in clause 4.1.2.2.1.

4.1.2.2.5. Terms other than those specified in clause 4.1.2.2.1.

Do not refer to any composite stone in any way other than that specified in clause 4.1.2.2.1 (except as in clause 4.3).

5 Terms and definitions

For the purposes of this CIBJO Standard, the following terms and definitions shall apply.

5.1 Advertisement

the activity of attracting public attention to a product or business, as by announcements in the print, broadcast, or electronic media.

5.2 Aka

precious coral from the *Corallium japonicum* species that is found in Japan at depths of 80 to 300 m. It is dark red to very dark red with a white lengthwise interior, in fan-shape, with an average height of 5-30 cm, average trunk diameter of 5-25 mm and an average weight of 100-500 g. Same as moro or oxblood coral.

Note— see Clause 2 Normative References; Convention on International Trade in Endangered Species of Wild Fauna and Flora.

5.3 Alterations

any change made to corals or artificial products that requires general (5.45) or specific (5.91) information.

5.4 Angel's Skin

commercial name for a very rare anomalous (albino) light pink precious coral, notably from the *Pleurocorallium elatius* species (Japan and Taiwan) also known as boké or magai. In even more rare occasions, it may also occur in *Corallium rubrum* (known as “bello”, meaning beautiful) and in *Corallium japonicum*.

5.5 Artificial products

products which are partially or completely made by man.

5.6 Artificial coral

misnomer for an imitation with no known natural counterparts.

5.7 Assembled coral

see composite products (5.26).

5.8 Bamboo coral

common coral from species of the large, flexible and segmented species of the *Isididae* family (subclass *Octocorallia*) composed of white calcitic internodes and dark keratinous gorgonian nodes, including species of the genus *Isis*, *Lepidisis* and *Acanella*. The white calcareous component is commonly bleached and then dyed pink or red to imitate precious coral.

5.9 Biogenic gem materials

a substance produced by life processes. It may be either constituents, or secretions, of plants or animals, e.g., biomineralized calcite in precious coral.

5.10 Biomineral

a crystalline substance produced by the activity of living things.

5.11 Bleaching

to remove or alter a colour by means of chemical and/or physical agents or light.

5.12 Black coral

common coral of very dark brown to black colour, composed of protein and chitin, belonging to the order *Antipatharia* (subclass *Hexacorallia*) that are quite flexible, spiny, tree like, unbranched or branched. May be bleached to obtain golden coloration.

Note — see Clause 2 Normative References; Convention on International Trade in Endangered Species of Wild Fauna and Flora.

5.13 Blue coral

reef-building coral, a common coral, of calcareous composition belonging to the family *Helioporidae* (subclass *Octocorallia*), specially the *Heliopora coerulea*. It has a distinct blue colour, with a rough and porous skeleton that usually requires resin impregnation to be used as ornament.

Note — see Clause 2 Normative References; Convention on International Trade in Endangered Species of Wild Fauna and Flora.

5.14 Body colour

the dominant, overall colour of coral.

5.15 Boké

same as angel's skin (from *Pleurocorallium elatius*).

5.16 Bonding

the cohesion of two or more parts or layers. See composite products (5.26).

5.17 Carat (ct)

a unit of weight, one carat being equivalent to 0.2 g (200 milligrams or 1/5 gram).

5.18 Cerasuolo

precious coral from the *Pleurocorallium elatius* species that is found in Japan and Taiwan at depths of 150 to 350 m. It may be bright red, salmon, orange, dark pink and flesh dark red to very dark red with a white lengthwise interior, in fan-shape, with an average height of 15-40 cm, average trunk diameter of 10-50 mm and an average weight of 100-5000 g. Same as momo or satsuma.

Note— see Clause 2 Normative References; Convention on International Trade in Endangered Species of Wild Fauna and Flora

5.19 Carving

an object or design cut from a hard material as an artistic work.

5.20 Cleaning

to leave corals in a mixture of water and hydrogen peroxide (5%) for a couple of days to bring the pigment back to its original colour. Cleaning is considered a normal lapidary practice (5.69).

5.21 Coating

an artificial layer of any natural or artificial substance spread over the surface, or part of the surface, of coral for protection, colouration, increased lustre, decoration or to alter their appearance; a covering layer.

5.22 Colour

colour has three attributes: hue, tone, and saturation. Hue is the basic impression of colour -yellow, green, blue, etc. Tone is the relative impression of lightness or darkness of the colour. Saturation is the strength or intensity of the colour. In general, the colour of precious coral may be described in terms of a combination of 'body colour' and colour distribution.

5.23 Commercial document

any writing or electronic transmission that evidences, anticipates or concludes a commercial transaction, including any agreement, memorandum of agreement, purchase order, blanket purchase order, identification reports, blanket purchase agreement, purchase order acknowledgment, request for proposal, quote, offer, warranty, representation certification, guaranty, import documentation, packing list, bill of sale, memorandum of consignment, receipt and advertisements. Commercial documents include mandatory information of the seller, and when necessary the buyer.

5.24 Commercial name

a name assigned for marketing purposes; synonymous with a trade name. It may have global or regional significance.

5.25 Common coral

common corals of both calcareous and non-calcareous types are not considered as "precious coral" and some may be found in coral reefs. Includes species from the *Isidae*, *Primonidae*, *Zoanthidae*, *Helioporidae*, *Melithaeidae*, *Sylasteridae* families and *Antipatharia* order. It is not used in the jewellery industry.

Note — For additional information regarding "Precious coral" see clauses 5.78 and 5.27, and the annexes.

5.26 Composite products

artificial products (5.5) composed of two or more previously separate parts or layers assembled by bonding or other artificial methods. Their components may be natural and/or artificial but at least one part must be coral.

5.27 Corals

collective name for thousands of marine colonial species of the phylum *Cnidaria*. A limited number of species, notably from the *Anthozoa* class, including many in the subclasses *Alcyonaria* (*Octocorallia*) and *Hexacorallia*, are suitable for use in decoration and adornment. For the jewellery industry, only a few species and species complexes of the *Corallidae* family, here called precious corals (5.78), are considered. Other species, both with calcium carbonate and/or keratinous exoskeletons, not used in jewellery but as decoration and trinkets are here called common corals (5.25). Jewellery grade coral lives in deep ocean and secrete biomineralized calcium carbonate to form a hard skeleton. The chemical composition of coral is calcium carbonate (82–87%) with

minor magnesium. It can also include small amounts of calcium sulphate, iron oxide and various phosphates.

5.28 Cultured

the term “cultured” shall only be applied to “cultured pearls”.

Note — See the CIBJO Pearl Book for additional information.

5.29 Cut

the style or shape in which coral and artificial products have been fashioned.

5.30 Cutting

one of several normal lapidary practices (5.69) used to give a shape to corals.

5.31 Non-living Coral

Precious coral that is collected as broken branches in sedimentary deposits (e.g. Siccacca coral) or harvested from the sea bed along with living corals (e.g. *Pleurocorallium elatius* in Japan).

5.32 Deep Sea

precious coral from the *Hemicorallium laauense* species that is found in Midway, N/W around Emperor Seamount at depths of 1000 to 2000 m. It is usually variegated bright white, clear pink white pomegranate with red veins or spots, in fan-shape and parallel trunks, with an average height of 10-40 cm, average trunk diameter of 5-15 mm and an average weight of 50-250 g.

5.33 Disclosure

the act of providing all material information (5.59). To fully inform a purchaser, prior to or during a final sale.

5.34 Doublet

a composite coral consisting of two parts.

5.35 Drilled

a coral with a cylindrical hole engineered to enter at one point and exit on the opposite side. Also see part-drilled (5.75)

5.36 Dyeing

application of a dye or stain to natural materials (5.68) or artificial products (5.5) to alter their colour.

5.37 Filling

to introduce a substance that occupies a whole or part of a void.

5.38 Fissure

a very narrow opening; a fine fracture.

5.39 Fluid

a substance of low enough viscosity that it will flow easily.

5.40 Fracture

an opening; a crack.

5.41 Fracture filling

to occupy the whole or part of a fracture with a substance, e.g. resins, oil, etc., to pervade; to spread throughout; to occupy completely; or to make full, with the purpose of making the fracture less visible.

5.42 “Garnet” coral

precious coral from the *Hemicorallium regale* species that is found in Hawaii at depths of 350 to 600 m. It is usually purplish-pink, in parallel-shape, with an average height of 10-20 cm, average trunk diameter of 4-10 mm and an average weight of 50-150 g.

Note — Not to be confused with the name of the garnet mineral group.

5.43 Gem

another term, often used as an adjective, to describe an exceptional coral or other gemstone noting perfection or very high quality. See gemstone clause 5.44.

Note — the term “Gem” shall only be used to qualify the terms “real”, “precious”, “genuine” and “natural”.

5.44 Gemstone

a natural inorganic geological materials/substances, a mineral or an aggregation of two or more minerals, in a form of a rock, which has been formed completely by nature without human interference.

Note — Gemstones are usually used in jewellery or objets d’art due to a combination of properties that provide them with beauty, rarity and relative durability.

Note — For the purpose of this standard clauses and examples referring to coral may also apply to precious stones and ornamental coral.

5.45 General information

a method to provide information, at the time of sale, when materials have been subjected to a treatment that requires a verbal disclosure (5.33) and a general comment on a commercial document (5.23).

5.46 Genuine

actually possessing the alleged or apparent attribute or character.

5.47 Golden coral

common coral of a natural golden colour and non-calcareous skeleton belonging to two taxonomic groups (e.g. *Primnoidae* family and *Zoanthidae* family, notably *Kulamanamana haumea*). It may be treated black coral (5.12).

5.48 Golden coral (treated)

black coral (5.12) bleached to become golden colour.

5.49 Gram

the gram (g) is 1/1000 of a kilogram, a unit of mass of the International System of Units.

5.50 Heating

to heat a coral to a temperature that may alter its appearance.

5.51 Imitation of coral

artificial products that only simulate the appearance of coral.

5.52 Impregnation / Impregnated

to fill throughout; saturate.

5.53 Invertebrate

an animal without an internal backbone. Examples include cnidarians (e.g. reef corals, precious corals, sea fans), molluscs (e.g. snails, clams), arthropods (e.g. insects, spiders, shrimp), echinoderms (e.g. starfish, sea urchins) and annelids (e.g. worms).

5.54 Kan

a unit of weight equal to 1,000 momme or 3.75 kilogram. This unit was most frequently applied by the Japanese coral industry.

5.55 Kin

a unit of weight equal to 600 gram. This unit was most frequently applied by the Japanese and Taiwanese coral industry.

5.56 Lace coral

common coral belonging to the *Stylaster* genus (*Stylasteridae* family), with similar visual

characteristics to some pink to red precious corals but with a different composition (biomineralized aragonite). Usually dyed and impregnated.

Note — see Clause 2 Normative References; Convention on International Trade in Endangered Species of Wild Fauna and Flora

5.57 Lustre

The quality and quantity of light a coral reflects from its surface, being usually porcelanous with a variable degree of glassy appearance.

5.58 Lustre enhancement

any treatment, other than polishing, applied to enhance the lustre of a coral.

5.59 Material information

any information that, if disclosed (5.33) prior to and or during the time of sale, would alter the value, saleability or desirability of materials listed in clause 3, including any care, cleaning and or maintenance requirements.

5.60 Magai

same as angel's skin (from *Pleurocorallium elatius*)

5.61 Mediterranean coral

precious coral from the *Corallium rubrum* species that is found mostly in the Mediterranean Sea as well as in the western Atlantic coast of northern Africa, Spain and Portugal at depths up to 1000 m. It has uniform red, orangey to pink uniform colour, in bush-shape, with an average height of 10-20 cm, average trunk diameter of 7 mm and an average weight of 50-200 g.

5.62 Midway

precious coral from the *Pleurocorallium secundum* species that is found in Hawaii and Midway sea mount at depths of 400 to 600 m. It may be uniform white-pink with small red speckles or veined white with pink, sometimes uniform clear pink, in fan-shape, with an average height of 10-30 cm, average trunk diameter of 8-20 mm and an average weight of 50-300 g. Same as rosato or white/pink coral.

Note — see Clause 2 Normative References; Convention on International Trade in Endangered Species of Wild Fauna and Flora

5.63 Misu or Missu

precious coral from the *Hemicorallium sulcatum* species that is found in the north of Philippines. at depths of 100 to 300 m. It is mostly white with thin skin of uniform pink, in long fan-shape, with an average height of 25 cm, average trunk diameter of 15 mm

and an average weight of 200 g. Same as missu or miss.

5.64 Momme

unit of weight, equal to 0.13 ounces or 3.75 gram; 1,000 momme = 1 kan. This unit was most frequently applied by the Japanese coral industry, sometimes spelt *monme*.

5.65 Momo

same as cerasuolo (*Pleurocorallium elatius*).

5.66 Moro

Same as aka or oxblood coral (*Corallium japonicum*).

5.67 Natural colourless wax

the use of a natural colourless wax is used to protect the surface of the coral. The wax can be of vegetable, animal and mineral (paraffin) origin. The use of a natural colourless wax at the surface level is considered as a normal lapidary practice (5.69) - and not a treatment. Therefore, neither specific nor general information is required for natural colourless waxing.

5.68 Natural materials

materials that are completely formed by nature, without human intervention during its formation, that may subsequently be modified by normal lapidary practices (5.69) and or altered by a treatment that require general (5.45) or specific (5.91) information.

5.69 Normal lapidary practices

methods used to fashion gemstones and artificial products which include cutting (5.30), sawing, grinding, faceting, polishing, carving, engraving, drilling and cleaning (5.20).

5.70 Objets d'art

an object considered to be of artistic worth.

5.71 Oiling

filling coral fissures and/or fractures with agents including essential oils (e.g. cedarwood oil) and mineral oils (e.g. Joban oil, paraffin), to make the fissures and fractures less visible.

5.72 Organic substances

natural products of animal or plant origin used in jewellery or *objets d'art* (5.70), e.g., amber, tortoiseshell.

5.73 Ornamental coral

precious coral that is used in *objets d'art* (5.70).

5.74 Oxblood coral

Same as aka or moro (*Corallium japonicum*)

5.75 Part-Drilled

a coral with a cylindrical hole engineered to enter at one point but which does not exit. Sometimes known as half-drilled.

5.76 Permeate

the filling of fissures and/or fractures with oil, wax, resin, polymer or other fluid substances, other than glass to diminish their appearance. See clause 4.2.5.1.

5.77 Place of origin

name of the geographical origins where corals have been harvested, e.g., Mediterranean Sea, Atlantic Ocean, South China Sea, Sea of Japan and Pacific Ocean.

5.78 Precious coral

precious corals are those that are used in jewellery and decoration, specifically red, pink, orangey and white varieties with porcelain-like lustre after polishing. They are limited to species belonging to the family *Corallidae*, consisting of the three following groups: *Corallium*, *Pleurocorallium* and *Hemicorallium*. They have a specific gravity of approximately 2.8 and a hardness of 3 on Mohs scale.

The distinguishing characteristic of precious coral, which is used in jewellery and ornamental products, is their durable and intense red colour, and or pink or white skeleton.

Note — For more information regarding precious coral see clause (3.1.1.1) and clause (7.6)

5.79 Precious stones

see gemstones.

5.80 Pure white

precious coral from the *Pleurocorallium konojoi* species that is found in South China Sea close to Vietnam at depths of 80 to 300 m. It is uniform white, in fan-shape, with an average height of 10-40 cm, average trunk diameter of 10-30 mm and an average weight of 100-700 g. Same as shiro.

Note — see Clause 2 Normative References; Convention on International Trade in Endangered Species of Wild Fauna and Flora

5.81 Real

genuine (5.46); not artificial (5.5 and 5.6).

5.82 Reef coral

Reef building corals that live in shallow water in specific ecosystems (e.g. Great Barrier Reef, Caribbean). Not considered precious corals and not used the jewellery industry.

5.83 Rosato

Same as Midway or white/pink coral (*Pleurocorallium secundum*).

5.84 Sardinian coral

Same as Mediterranean coral (*Corallium rubrum*).

5.85 Satsuma

Same as cerasuolo or momo (*Pleurocorallium elatius*)

5.86 Sciacca

orangey, sometimes dark pink broken branches of *Corallium rubrum* from modern sedimentary deposits off the coast of Sciacca in southern Sicily, Italy, found at depths from 30 to 60 m. The branches are usually small in size, with an average branch size of 7-10 cm, and trunk diameter of 5 mm.

5.87 Semi-precious

a misleading term that shall not be used.

5.88 Shiro

Same as pure white (*Pleurocorallium konojoi*).

5.89 Simulant

see imitations (5.51).

5.90 Special care

additional care needed to preserve the appearance of natural materials (5.68) or artificial products (5.5), or any alteration which require general (5.45) or specific information (5.91), that may have been applied.

5.91 Specific information

a disclosure method to provide information to consumers in all publications, advertisements (5.1), communications, commercial documents (5.23) and at the time of sale, when materials have been subjected to a treatment that requires a combination of a verbal and written disclosure (4.1.1.1.2). Also see clause **Error! Reference source not**

found..

5.92 Sponge coral

common coral belonging to Melithaeidae family (e.g. *Melithaea ochracea*) with characteristic highly porous skeleton requiring stabilisation treatment with impregnation and filling with resins or polymers before being polished. Sometimes dyed or assembled with epoxy.

5.93 Stability

a measure of the ability of coral to maintain their appearance under normal wear and care.

5.94 Stones

natural geological materials and artificial products used in jewellery or objects d'art (5.70) with the exception of metals.

5.95 Trade codes

a list used within the trade, consisting of one or more letters, for labelling treated gemstones and organic and biogenic substances. See Annex 7.

5.96 Trade name

a name assigned for marketing purposes; a commercial name. It may have global or regional significance.

5.97 Treated coral

corals that have been treated to change their appearance and or durability. See clause 4.2.5.

5.98 Triplet

a composite stone (5.26) consisting of three parts.

5.99 Void

a cavity that contains no matter.

5.100 Waxing

the application of a colourless wax or similar products to, or near, the surface of coral.

5.101 Weight

mass of a diamond, gemstone, coral, pearl or cultured pearl, synthetic stone and other artificial products.

Note — The SI (Système International) generally uses the term *mass* instead of *weight*. Mass is a measure of an object's inertial property, or the amount of matter it contains. Weight is a measure of the force exerted on an object by gravity or the force needed to support it.

5.102 White/pink coral

Same as Midway or rosato (*Pleurocorallium secundum*).

6 Annex A — Coral care requirements

6.1 Normal care

With all corals avoid rough handling and when not in wear, keep items of jewellery separate to avoid scratches. Clean with soft leather and gentle brushing. Ultrasonic cleaners should not be used for porous gems e.g. coral, pearl, and other organic/biogenic gemstones,

6.2 Special care

In addition to normal care, some corals have special care requirements

- a. Corals are prone to scratching due to low hardness. Wear them with care.
- b. Corals are porous. Do not allow contact with coloured fluids.
- c. Corals are prone to crack due to loss of structural water. Keep away from heat and drying environments.
- d. Corals are prone to damage due to thermal shock. Do not expose them to extreme temperature changes.
- e. Corals fade or revert to original colour when exposed to strong light. Do not wear or leave them for extended periods under these conditions.
- f. Corals dissolve upon contact with acids and solvents (such as nail varnish remover). Keep them away from all solvents and other strong chemicals.
- g. Corals are particularly susceptible to damage from ultrasonic cleaning. Do not expose them to ultrasonic cleaning.
- h. Modifications to corals with dye, oil, resin, wax, or plastic are not permanent. Keep away from all solvents (including various dish-washing liquids), chemicals and heat.
- i. Coral with superficial colour and surface layers are not suitable for re-cutting or re-polishing.
- j. As a biogenic gem, coral must be kept in a condition that is not too dry

and not too humid.

- k. Coatings on coral are often easily removed by the action of solvents, heat or abrasives, which are generally harmful to the coral. Keep away from all solvents, heat or abrasives. Coated coral is not suitable for re-cutting or re-polishing.

6.3 Fading and other colour changes

Some corals that have been colour-treated may fade or revert to their original colour when exposed to natural sunlight, artificial light or strong display lights. In these cases, special care advice shall include instructions that these corals should not be exposed to strong natural or artificial light or to strong display lighting for an extended period of time.

7 Annex B – Normative trade codes

7.1 Trade codes

Trade codes shall only be used within the industry.

Methods of coral treatment disclosure shall be in accordance with clause 4.2.5.

7.2 N code

The N code shall only be used for corals that have no known treatment. See clause 4.2.5.

7.3 Codes to disclose treated corals that require general information

Codes that may be used to disclose corals treated by methods requiring general information (5.45) on their modification. See clause **Error! Reference source not found..**

H Heating (5.50)

O Oil/Resin (5.71)

W Waxing (5.100)

B Bleaching (5.11)

7.4 Codes to disclose treated corals that require specific information

Codes that may be used to disclose corals treated by methods requiring specific information (5.91). See clause **Error! Reference source not found..**

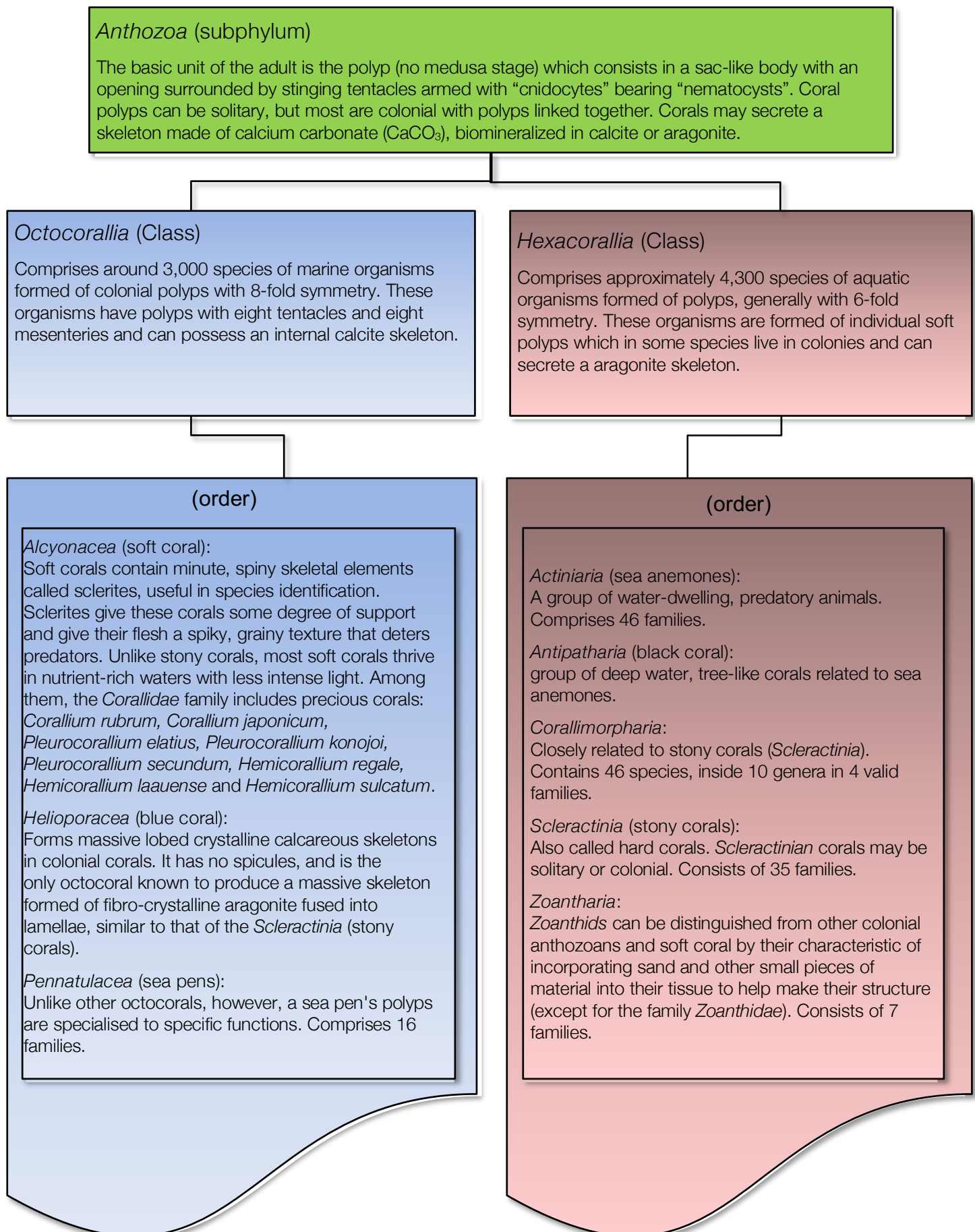
- C Coating (5.21)
- D Dyeing (5.36)
- I Impregnation (5.52) (with colourless foreign substances other than oil/resin)

7.5 SC code

Code for corals that require special care (5.90). See clause 6 Annex A.

- sc Special care (5.51)

Coral taxonomy chart



Annex C — Coral descriptions and definitions

7.6 Precious coral description and definition

CITES Classification	Scientific name	Commercial Name	Colour
<i>Corallium rubrum</i>	<i>Corallium rubrum</i>	Mediterranean Sardinian Sardegna	Uniform red to dark orange.
<i>Corallium rubrum</i>	<i>Corallium rubrum</i>	Sciacca	Orange, pink and darkened "smoked" orange.
<i>Corallium japonicum</i>	<i>Corallium japonicum</i>	Aka Moro Oxblood	Dark red and very dark red with lengthwise white "soul".
<i>Corallium elatius</i>	<i>Pleurocorallium elatius</i>	Cerasuolo Momo Satsuma	Bright red, salmon, orange, dark pink and flesh colour with lengthwise white "soul".
<i>Corallium elatius</i>	<i>Pleurocorallium elatius</i>	Angel skin Boké Magai Peau d'Ange Pelle d'Angelo	Flesh pink with different colour intensity.
<i>Corallium konjoi</i>	<i>Pleurocorallium konjoi</i>	Pure White Shiro Bianco	Milky white and red or pink speckled white.
<i>Corallium secundum</i>	<i>Pleurocorallium secundum</i>	Midway Rosato White/Pink Bianco Rosa	Red speckled or veined white or pink; uniform clear pink.
	<i>Hemicorallium regale</i>	"Garnet coral"	Pomegranate-colour with different intensity shades of uniform pink.
	<i>Hemicorallium laauense</i>	Deep Sea	Bright white, clear pink, white pomegranate. red veined or spotted.
	<i>Hemicorallium sulcatum</i>	Misu Missu Miss	Pink to violet uniform colour

7.7 Precious Coral Commercial Names

Commercial name	Scientific name
Aka	<i>Corallium japonicum</i>
Angel's skin	<i>Pleurocorallium elatius</i> (albino)*
Bello	<i>Corallium rubrum</i> (albino)
Bello di Sciacca	<i>Corallium rubrum</i> (albino from Sciacca deposit)
Bianco	<i>Pleurocorallium konojoi</i>
Bianco Rosa	<i>Pleurocorallium secundum</i>
Boké	<i>Pleurocorallium elatius</i> (albino)
Cerasuolo	<i>Pleurocorallium elatius</i>
Deep Sea	<i>Hemicorallium laauense</i>
“Garnet” coral	<i>Hemicorallium regale</i>
Magai	<i>Pleurocorallium elatius</i> (albino)
Mediterranean	<i>Corallium rubrum</i>
Midway	<i>Pleurocorallium secundum</i>
Miss	<i>Hemicorallium sulcatum</i>
Missu	<i>Hemicorallium sulcatum</i>
Misu	<i>Hemicorallium sulcatum</i>
Momo	<i>Pleurocorallium elatius</i>
Moro	<i>Corallium japonicum</i>
Oxblood	<i>Corallium japonicum</i>
Peau d'Ange	<i>Pleurocorallium elatius</i> (albino)*
Pelle d'Angello	<i>Pleurocorallium elatius</i> (albino)*
Pure White	<i>Pleurocorallium konojoi</i>
Rosato	<i>Pleurocorallium secundum</i>
Sardegna	<i>Corallium rubrum</i>
Sardinian	<i>Corallium rubrum</i>
Satsuma	<i>Pleurocorallium elatius</i>
Sciacca	<i>Corallium rubrum</i> (from Sciacca deposit)
Shinkai	<i>Hemicorallium laauense</i>
Shiro	<i>Pleurocorallium konojoi</i>

* - Very very rarely, the commercial name may be also used for albino varieties of *Corallium rubrum* and *Corallium japonicum*.

7.8 Distinction between precious coral and common coral

Precious corals are generally collected below 50 meters. Common corals are hardly found in jewellery but they may be used as adornment, typically after treatment (e.g. polymer impregnation, bleaching, dying). No reef building corals that live in shallow waters are used in jewellery or as adornment, with very limited exceptions (blue coral that is listed in Annex II of CITES). Precious coral and reef coral species live in totally different ecosystems.

7.9 Common Coral Species

7.9.1 Bamboo coral

common coral from species of the large, flexible and segmented species of the *Isididae* family (subclass *Octocorallia*) composed of white calcitic internodes and dark keratinous gorgonian nodes, including species of the genus *Isis*, *Lepidisis* and *Acanella*. The white calcareous component is commonly bleached and then dyed pink or red to imitate precious coral. Occurs practically worldwide, notably in Tasmania, New Zealand and USA. Also known in the trade as “mountain coral”, “Chinese coral”, “sea bamboo coral”, “king coral”, “tiger coral” and “jointed coral”.

7.9.2 Black coral

generic designation of the colonial common coral belonging to the order *Antipatharia* (subclass *Hexacorallia*). These form quite flexible, spiny, tree like, unbranched or branched colonies composed of protein and chitin (non-calcareous skeletons) with very dark brown to black colour. Bleaching is common to obtain golden coloration. Common commercial names include accarbaar, akabar, horn coral and king coral. Black coral occurs almost worldwide, especially in strong current environments at depths up to 6000 meters, namely in the Caribbean, Hawaii and Oceania. All corals belonging *Antipatharia* order, including the *Antipathes* genera (*Antipathes* spp.) are listed in Appendix II of CITES.

7.9.3 Blue coral (*Heliopora coerulea*)

reef building coral of calcareous composition belonging to the family *Helioporidae* (subclass *Octocorallia*), specially the *Heliopora coerulea*. It has a distinct blue colour, with a rough and porous skeleton that usually requires resin impregnation to be used as ornament. Occurs in Indo-Pacific shallow waters and, as a reef building coral, is protected and hardly seen as a gem material in current days. This species is listed in the Appendix II of CITES. Also known in the trade as blue ridge coral, blue sponge coral and denim coral.

7.9.4 Sponge coral

a common coral (5.25) belonging to the family *Melithaeidae* of the order *Alcyonacea*. Its name is derived from its similar appearance to sponges. Until recently sponge coral was not used for jewellery because it has too many holes. As such, to be used in jewellery today, it heavily relies on stabilisation by being filled with resin or polymer and being polished. In addition to being filled, some material is also dyed, and a small amount of sponge coral has

reportedly been “pressed” (crushed up); and mixed with epoxy to be formed into desired shapes. Sponge coral is often sold as natural Congi or “red spongy coral”.

7.9.5 Golden coral

natural golden coloured non-calcareous varieties belonging to the *Primnoidae* family with characteristic ring growth structures that occur at various depths, up to 1000 meters or more, in Alaska, USA, and to the *Zoanthidae* family, notably *Kulamanamana haumea*, also with characteristic growth structures that lives at depths of 340-580 meters in Hawaii that, after polishing may acquire a characteristic sheen effect. Black coral may be treated to obtain golden colour.

7.9.6 Lace coral

pink-to-red branches of the common coral of the *Stylaster* genus from the *Stylasteridae* family, with similar visual characteristics to some precious corals. Apart from a totally different taxonomy and geographic distribution, these have a different compositions (aragonitic skeleton, compared with the calcitic skeleton of *Corallidae* species) and are usually dyed and impregnated to imitate precious corals. All of these species belonging to the *Stylasteridae* family are listed in Appendix II of CITES since 1990.

Coral groups included in the CITES Appendices II

Black coral (*Antipatharia* spp.)
 Blue coral (*Heliopora coerulea*)
 Stony corals (*Scleractinia* spp.)
 Organ-pipe corals (*Tubiporidae* spp.)
 Fire corals (*Milleporidae* spp.)
 Lace corals (*Stylasteridae* spp.)

Coral groups included in the CITES Appendix III

Red and pink coral (*Corallium elatius*, *C. japonicum*, *C. konojoi*, *C. secundum*), at the request from China.

Coral groups which are NOT included in the CITES Appendices

Mediterranean coral – *Corallium rubrum*
 “Garnet” coral – *Hemicorallium regale*
 Deep sea coral – *Hemicorallium laauense*
 Misu coral – *Hemicorallium sulcatum*
 Bamboo coral (*Isididae*)
 New coral (Not classified)

International regulation

7.9.7 Information for traders, customs and shipping agencies

Commercial name and Scientific name	CITES Appendix	Note and Comment
Mediterranean Sardinian Sciacca (<i>Corallium rubrum</i>)	Not included in any CITES Appendix	Can be exported and imported in every country
“Garnet” coral (<i>Hemicorallium regale</i>)	Not included in any CITES Appendix	For import/export, the use of <i>Corallium secundum</i> taxa is recommended
Deep sea (<i>Hemicorallium laauense</i>)	Not included in any CITES Appendix	For import/export, the use of <i>Corallium secundum</i> taxa is recommended
Misu Missu Miss (<i>Hemicorallium sulcatum</i>)	Not included in any CITES Appendix	For import/export, the use of <i>Corallium secundum</i> taxa is recommended
Midway (<i>Corallium secundum</i>)	CITES Appendix III	Requested by China But lives only in the Pacific Ocean
Aka Moro Oxblood (<i>Corallium japonicum</i>)	CITES Appendix III	Requested by China
Cerasuolo Momo Satsuma (<i>Corallium elatius</i>)	CITES Appendix III	Requested by China
White (<i>Corallium konojoi</i>)	CITES Appendix III	Requested by China
Angel skin Boké Magai (<i>Corallium elatius</i>)	CITES Appendix III	Requested by China

Index

- Accepted trade practices, iv, v, vi
- Advertisement, 11
- Aka, 10, 26, 30
- Alteration, 11
- Angel skin, 26, 30
- Angel's Skin, 11
- Antipatharia, 29
- Artificial products, vi, 1, 2, 3, 7, 8, 9, 11, 13, 14, 15, 18, 20, 21, 22
- Bamboo coral, 11, 28, 29
- Biomaterial, 11
- Black coral, 11, 28, 29
- Bleaching, 6, 11, 24
- Blue Books, v
- Blue coral, 12, 28, 29
- Body colour, 12
- Boké, 12, 26, 30
- Bonding, 2, 7, 10, 12, 13
- Carat, 12
- Care requirements, 22
- Carving, 12
- Cerasuolo, 12, 26, 30
- CIBJO, iii, iv, v, vi, 1, 6, 10, 14
- CITES, 26, 29, 30
- CITES Classification, 26
- Classification of materials, 2
- Cleaning, 12, 13, 17, 18, 22
- Coating, 7, 13, 24
- Colour, 13
- Commercial document, 13
- Commercial names, 6
- Common corals, 2
- Composite coral, 9, 10, 14
- Composite products, 2, 9, 11, 12
- Composite stones, 2
- coral, 28
- Coral Commission, vi
- Corallium, 2, 19, 26, 29
- Corallium elatius, 26, 29
- Corallium japonicum, 26
- Corallium rubrum, 26
- Corallium secundum, 26
- Corals, 2, 3, 5, 6, 11, 12, 13, 14, 19, 21, 22, 23, 24, 29
- Cultivated, 4
- Cultured, 4, 14, 22
- Cut, 14
- Cutting, 14
- Deep Sea, 14
- Diamond, 1
- Disclosure, 3, 7, 14
- Display, 3, 8
- Doublet, 14
- drilled, 19
- Drilled, 14
- Dyeing, 15, 24
- Dyes, 7
- enhance, 17
- Executive Committee, iv, v
- Filling, 7, 15, 18, 19
- Fissure, 15
- Fluid, 7, 15, 19
- Fracture, 8, 15
- Fracture filling, 15
- Garnet, 26
- Garnet coral, 15
- Gem, 15
- Gemmological, 1
- Gemstone, vi, 7, 9, 15, 22
- Gemstone Book, 1
- General information, 6, 7, 16, 18, 23
- Golden coral, 16, 29
- Golden coral (treated), 16
- Heating, 6, 16, 23
- Heliopora coerulea, 28, 29
- Hemicorallium, 2, 19, 26
- Imitations of corals, 2
- Impregnation, 7, 16, 24
- Index. See
- Invertebrate, 16
- Isididae, 29
- Italy, v
- Japan, 4, 19
- jewellery, 19, 28
- Kan, 16
- Kin, 17
- Lace coral, 17, 29
- lustre, 17
- Lustre, 17
- Lustre enhancement, 17
- Magai, 17, 26, 30
- Material information, 3, 14, 17
- Measurements, 5
- Mediterranean, 19, 26, 30
- Mediterranean coral, 17
- Midway, 17, 26
- Milleporidae, 29
- Misu, 26
- Misu or Missu, 18
- Momme, 18
- Momo, 18, 26, 30
- Moro, 18, 26, 30
- N code, 23
- Names of cuts, 4
- Natural coral, 3, 5, 10
- Natural materials, 2, 8, 9, 15, 18, 20
- New Genus Names, 26
- Normal care, 22
- Normal lapidary practices, 2, 14, 18
- Normative clauses, 3

Objets d'art, 18
 Oiling, 6, 18
 Organic substances, 19
 Ornamental coral, 19
 Other treatments, 7
 Oxblood, 6, 26, 30
 Oxblood coral, 19
 Part-Drilled, 19
 Pearls, iii, iv
 Permeate, 19
 Place of origin, 5, 6, 19
 Pleurocorallium, 2, 19, 26
 Precious Coral Commercial Names, 27
 Precious corals, 2, 19
 Products Sector, iv
 Pure White, 19
 Reef coral, 20
 Requirements, 1, 7, 8, 10, 17, 22
 Responsible Sourcing, iv
 Rosato, 20, 26
 Sardinian, 6, 26, 30
 Sardinian coral, 20
 Satsuma, 20, 26, 30
 SC code, 24
 Sciacca, 6, 20, 26, 30
 Scleractinia, 29
 Semi-precious, 20
 Service Sector, iv
 Shiro, 20, 26
 Special care, 20, 22, 23, 24
 Specific information, 3, 4, 7, 20, 21, 24
 sponge coral, 28
 Sponge coral, 21, 28, 29
 Stones, iii, 8, 16, 19, 21
 Stylasteridae, 29
 Supply Chain Sector, iv
 Surface waxing, 7
 Taiwan, 4
 Terms and definitions, 25
 Terms used to disguise, 3
 Total weight, 5
 Trade codes, 8, 21, 23
 Trade name, 21
 Treated corals, 2, 6, 23, 24
 triplet, 21
 Triplet, 21
 Tubiporidae, 29
 Unfair trade practice, 4
 Verbal disclosure, 3, 16
 Void, 15, 21
 Waxing, 21, 23
 Weight, 4, 5, 22
 White/Pink coral, 22
 Written disclosure, 3, 21