



**Food and Agriculture
Organization of the
United Nations**



**World Health
Organization**

JOINT FAO/WHO EXPERT COMMITTEE ON FOOD ADDITIVES
One hundred and fourth meeting
Rome, 1 to 10 June 2027

Food Additives

Published on 8 July 2026

**LIST OF SUBSTANCES SCHEDULED FOR EVALUATION
AND REQUEST FOR DATA**

Attached is the list of substances (Annex 1), scheduled for evaluation or re-evaluation at the one hundred and fourth meeting of the Joint FAO/WHO Expert Committee on Food Additives (JECFA) (see Annex 2 for more information about JECFA). This list has been prepared by the Joint FAO/WHO Secretariat of the Committee and is based on recommendations of Codex Committee on Food Additives (CCFA), previous Expert Committees, previous evaluations by other authorities and direct requests from governments, or other interested organizations. The meeting will be held as a physical meeting in Rome, Italy.

Submission of data

Annex 1 lists the food additives to be considered at the meeting. Governments, interested organizations, producers of these chemicals, and individuals are invited to submit data for the toxicological evaluations, for the preparation of specifications for the identity and purity, and for estimating the intake of the compounds that are listed. The submitted data may be published or unpublished and should contain detailed reports of laboratory studies, including individual animal data. Reference to relevant published studies should also be provided, where applicable. Summaries in the form of monographs are helpful, but they are not in themselves sufficient for evaluation.

Unpublished confidential studies that are submitted will be safeguarded and will be used only for evaluation purposes by JECFA. Summaries of the studies will be published by FAO and WHO after the meetings in the form of specifications and toxicological monographs.

The Secretariats of JECFA at FAO and WHO encourage submission of data in electronic format. Such data should be presented preferably using standard word processing or document formats, and need to include a "Table of contents" using fully descriptive file names.

For large volume submissions or for any questions related to data submissions please contact the Secretariat.

Date for submission

The submission of data on those compounds listed in Annex 1 is requested before

31st December 2026

This deadline applies to all data.

Toxicological data

Data relevant to the toxicological evaluations of the substances on the agenda including the results of:

1. metabolism and pharmacokinetic studies;
2. short-term toxicity, long-term toxicity/carcinogenicity, reproductive toxicity, and developmental toxicity studies in animals and genotoxicity studies;
3. epidemiological studies; presence of toxicologically relevant impurities and
4. special studies designed to investigate specific effects, such as the mechanism of toxicity, immune responses, or macromolecular binding.

This information needs to be submitted electronically (preferred) to WHO JECFA Secretariat. Please send an email to jecfa@who.int and request an individual SharePoint folder link for uploading data package. If an electronic submission is not possible, please contact us for alternative deliveries:

Attention:

Kim Petersen
Department of Nutrition and Food Safety
World Health Organization
Avenue Appia
1211 Geneva 27
Switzerland
Telephone: +41 (0)79 728 7487
E-mail: jecfa@who.int

Technological data

Data relevant to the manufacturing, quality, use, occurrence, identification and quantification of the substances on the agenda including:

1. Specifications for the identity and purity of the listed food additives (specifications applied during development and toxicological studies; proposed specifications for material in commerce);
2. Technological and nutritional considerations relating to the manufacture and use of the listed food additives;
3. Levels of the listed food additives used in food or expected to be used in food based on technological function and the range of foods in which they are used; and
4. Analytical techniques used by manufacturers or authorities for identifying and quantifying the listed substances

The information needs to be submitted electronically to jecfa@fao.org. If an electronic submission is not possible, please contact us for alternative deliveries.

Attention:

Ms Angeliki Vlachou
Agrifood Systems and Food Safety Division
Food and Agriculture Organization of the United Nations
Rome, Italy
E-mail: jecfa@fao.org

Dietary exposure assessment data

For additives, all data relevant to:

1. Technical levels of use of the additive in the foods in which it may be used;
2. Annual poundage of the additive introduced into the food supply;
3. Estimation of additive intakes based on food consumption data for foods in which the additive may be used; and
4. Food consumption patterns; also considering different (age-) population groups.

This information should be sent to FAO at jecfa@fao.org and to WHO at jecfa@who.int

Presentation of data

Please note that the above lists are not meant to be all-inclusive since it is recognized that other studies may, in some instances, assist in the evaluation.

Procedures for the evaluation of chemicals in food were updated and published by FAO and WHO (Principles and methods for the risk assessment of chemicals in food – Environmental Health Criteria No. 240), available at <https://www.who.int/publications/i/item/9789241572408>

Specific guidance on the evaluation of and data needs for food additives are also available from FAO and WHO (see <http://www.fao.org/food-safety/scientific-advice/jecfa/jecfa-guidelines/en/> and [Joint FAO/WHO Expert Committee on Food Additives \(JECFA\)](#))

All relevant data, both positive and negative, should be submitted. Data should be presented, summarized and referenced in a clear and concise manner.

This call for data is available at both the FAO and WHO websites:

- <https://www.fao.org/food-safety/scientific-advice/calls-for-data-and-experts/en>
- [https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-\(jecfa\)/calls-for-data](https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-(jecfa)/calls-for-data)

Annex 1

Joint FAO/WHO Expert Committee on Food Additives (JECFA) One hundred and fourth meeting

Rome, 1 to 10 June 2027

List of substances scheduled for evaluation or re-evaluation

General information: Links to the available electronic versions of the reports published in the WHO Technical Report Series, monographs published in the WHO Food Additives Series, and specifications that are referenced below are available at the JECFA web pages of FAO and WHO:

- [https://openknowledge.fao.org/search?f.isPartOfSeries=Joint%20FAO%2FWHO%20Expert%20Committee%20on%20Food%20Additives%20\(JECFA\)%20Monographs,equal&spc.sf=dc.date.issued&spc.sd=DESC](https://openknowledge.fao.org/search?f.isPartOfSeries=Joint%20FAO%2FWHO%20Expert%20Committee%20on%20Food%20Additives%20(JECFA)%20Monographs,equal&spc.sf=dc.date.issued&spc.sd=DESC)
- [https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-\(jecfa\)/publications](https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-(jecfa)/publications)

FAO and WHO procedural guidelines and guidelines for the preparation of chemical and technical assessments (CTA), toxicological working papers on food additives, intake assessment, and flavouring agents are available at:

- <https://openknowledge.fao.org/items/67dc2db7-0ebc-4987-a253-05fe8a62c380> (FAO Procedural Guidelines for the Joint FAO/WHO Expert Committee on Food Additives (JECFA). Food Additives and Food Contaminants)
- https://www.fao.org/fileadmin/templates/agns/pdf/jecfa/2003-02-24_CTA.pdf (CTA guidelines)
- <https://openknowledge.fao.org/home> (CTAs)
- <https://www.fao.org/4/a0691e/a0691e00.htm> (Volume 4, Analytical methods, test procedures and laboratory solutions used by and referenced in the food additive specifications)
- <https://www.who.int/publications/i/item/9789241572408> (Principles and methods for the risk assessment of chemicals in food. Environmental Health Criteria 240)
- [https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-\(jecfa\)/procedural-guidance](https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-(jecfa)/procedural-guidance) (Joint FAO/WHO Expert Committee on Food Additives (JECFA) - Working Procedures)

Appendix B of the guidelines for the preparation of working papers on the intake of food additives provides guidance to countries submitting their national assessments of intake.

- [https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-\(jecfa\)/procedural-guidance](https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-(jecfa)/procedural-guidance)

Previous reports and monographs should be consulted to obtain background information on the previous evaluations. Detailed bibliographical references are available on pages 5 and 6

1. Food additives for which requests have been received for evaluation or re-evaluation by the 56th session of the Codex Committee on Food Additives (REP26/FA - Appendix XI) and pending re-evaluations

1.1. Toxicological evaluation, exposure assessment and establishment of specifications of substances used as food additives

Food Additive	Reference (previous evaluations) and background	Information required
Beet red from <i>S. cerevisiae</i> strain P0	Report of the 56 th session of CCFA, REP 26/FA - Appendix XI ⁽¹⁾ Specifications: Monograph 1 (2006) ^a	Toxicological assessment, dietary exposure and establishment of specifications
Butterfly pea flower extract (INS163(xi))	Report of the 56 th session of CCFA, REP 26/FA - Appendix XI ⁽¹⁾ 99 th Monograph of the Joint FAO/WHO Expert Committee on Food Additives ⁽³⁾	Toxicological assessment, dietary exposure and establishment of specifications
Propylene glycol (INS 1520)	Report of the 56 th session of CCFA, REP 26/FA - Appendix XI ⁽¹⁾ Specifications: Monograph 1 (2006) ^b 49 th Monograph of the Joint FAO/WHO Expert Committee on Food Additives ⁽⁴⁾	Toxicological assessment, dietary exposure and establishment of specifications
Tocopherol concentrate, mixed (INS 307b)	Report of the 56 th session of CCFA, REP 26/FA - Appendix XI ⁽¹⁾ Specifications: Monograph 1 (2006) ^c 30 th Report of the Joint FAO/WHO Expert Committee on Food Additives ⁽⁵⁾	Toxicological assessment, dietary exposure and establishment of specifications addressing consumption for infants under 12 weeks of age.

References

1. Report of the 56th Session of the Codex Committee on Food Additives, (REP26/FA)
<https://www.fao.org/fao-who-codexalimentarius/sh->

^a https://www.fao.org/fileadmin/user_upload/jecfa_additives/docs/Monograph1/Additive-052.pdf

^b https://www.fao.org/fileadmin/user_upload/jecfa_additives/docs/Monograph1/Additive-359.pdf

^c https://www.fao.org/fileadmin/user_upload/jecfa_additives/docs/Monograph1/additive-469-m1.pdf

[proxy/tr/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FMeetings%252FCX-711-56%252F%25E2%2598%2585Final%252520report%252FREP26_FAe.pdf](https://workspace.fao.org/sites/codex/Meetings/FCX-711-56/25F%25E2%2598%2585Final%252520report%252FREP26_FAe.pdf)

2. Monograph of the 99th meeting of JECFA
<https://www.who.int/publications/i/item/9789240100978>
3. Monograph of the 49th meeting of JECFA
<https://www.inchem.org/documents/jecfa/jecmono/v48je16.htm>
4. Report of the 30th meeting of JECFA
<https://iris.who.int/server/api/core/bitstreams/8f2f98c9-4bfd-418c-af2f-00f02426b90d/content>

1.2 Toxicological evaluation, exposure assessment and establishment of specifications for certain flavourings

Aliphatic lactones

JECFA No	CAS No	Substance Name
2312	7370-44-7	<i>delta</i> -Hexadecalactone
2313	7370-92-5	(±)-6-Octyltetrahydro-2 <i>H</i> -pyran-2-one
2314	22122-36-7	3-Methyl-2(5 <i>H</i>)-furanone
2315	2142634-65-7	(5 <i>Z</i>)-3,4-Dimethyl-5-propylidene-2(5 <i>H</i>)-furanone
2316	301310-73-6; 79894-05-6	9-Dodecen-12-olide
2317	40556-69-2	2-Methyloctan-4-olide

Aliphatic Secondary Alcohols, Ketones and Related Esters

JECFA No	CAS No	Substance Name
2318	6090-09-1	1-(4-Methyl-3-cyclohexen-1-yl)-ethanone
2319	886449-15-6	4-(<i>L</i> -Menthoxyl)-2-butanone
2320	1569-60-4	6-Methyl-5-hepten-2-ol
2321	6137-11-7	4-Methylheptan-3-one
2322	6820-02-6	8-Methyl-4-methylenenon-7-en-2-one

Aliphatic Alicyclic Linear α/β -Unsaturated Di- and Trienals and Related Alcohols, Acids and Esters

JECFA No	CAS No	Substance Name
2323	91212-78-1	(+/-)-2,5-Undecadien-1-ol
2324	118026-67-8	(2 <i>E</i> ,4 <i>E</i>)-2,4-Decadien-1-ol acetate
2325	2369713-22-2	4-Methyltrideca-2 <i>E</i> ,4-dienal

Aliphatic, Linear, α/β -Unsaturated Aldehydes, Acids and Related Alcohols, Acetals and Esters

JECFA No	CAS No	Substance Name
2326	1370711-06-0	trans-1-Ethyl-2-methylpropyl 2-butenate
2327	6402-36-4	trans-2-Dodecenedioic acid
2328	2099712-94-2	2,11-Tetradecadienal
2329	149231-57-2	2,6-Octadienal

Aliphatic Primary Alcohols, Aldehydes, Carboxylic Acids, Acetals, And Esters Containing Additional Oxygenated Functional Groups

JECFA No	CAS No	Substance Name
2330	65210-18-6	10-Hydroxy-4,8-dimethyldec-4-enal
2331	10191-24-9	3-Hydroxyhexanoic acid
2332	2762033-61-2	Ethyl 5-acetoxyoctadecanoate

Linear And Branched-Chain Aliphatic, Unsaturated, Unconjugated Alcohols, Aldehydes, Acids, And Related Esters

JECFA No	CAS No	Substance Name
2333	2277-20-5	(E)-6-Nonenal
2334	174155-46-5	Cis-8-Decenal
2335	2415657-73-5	Mixture Of (8Z,11Z)-Heptadeca-8,11-dienal and (Z)-Heptadec-8-enal
2336	1801275-27-3	4,9-Dodecadienal

References

1. Report of the 56th Session of the Codex Committee on Food Additives, (REP26/FA)
https://www.fao.org/fao-who-codexalimentarius/sh-proxy/tr/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FMeetings%252FCX-711-56%252F%25E2%2598%2585Final%252520report%252FREP26_FAe.pdf

Annex 2

JOINT FAO/WHO EXPERT COMMITTEE ON FOOD ADDITIVES

BACKGROUND

The Joint FAO/WHO Expert Committee on Food Additives (JECFA) was established in the mid-1950s by the Food and Agriculture Organization of the United Nations (FAO) and the World Health Organization (WHO) to assess chemical additives in food on an international basis. The first meeting was held in 1956 in response to recommendations made at an FAO/WHO Conference on Food Additives that met in Geneva in 1955.

In the early 1960s the Codex Alimentarius Commission (CAC), which is an international inter-governmental body, was established. The primary aims of the CAC are to protect the health of the consumer and facilitate international trade in food. At the time that the CAC was formed, it was decided that JECFA would provide expert advice to Codex on matters relating to food additives. A system was established whereby the Codex Committee on Food Additives, a general subject committee, identified food additives that should receive priority attention, which were then referred to JECFA for assessment before being considered for inclusion in Codex Food Standards.

This system is still in place, but it has been expanded to include food contaminants and residues of veterinary drugs in food to provide advice to the presently-existing Codex Committee on Food Additives (CCFA), Codex Committee on Contaminants in Food (CCCCF) and Codex Committee on Residues of Veterinary Drugs in Foods (CCRVDF). JECFA also provides scientific advice directly to FAO and WHO Member States, and requests for assessment may come directly from them. JECFA is not a component of the CAC.

Specialists invited to serve as Members of JECFA are independent scientists who serve in their individual capacities as experts, and not as representatives of their governments or employers. The goal is to establish safe levels of intake and to develop specifications for identity and purity (food additives) or maximum residue limits when veterinary drugs are used in accordance with good practice in the use of veterinary drugs.

The reports of previous JECFA meetings are published in the WHO Technical Report Series ([https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-\(jecfa\)/publications/reports](https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-(jecfa)/publications/reports)). The toxicological evaluations that summarize the data that serve as the basis for the safety assessments, are published in the WHO Food Additives Series ([https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-\(jecfa\)/publications/toxicological-monographs](https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-(jecfa)/publications/toxicological-monographs)).

The specifications and veterinary drug residue evaluations are published in the FAO JECFA Monographs. The Combined Compendium of Food Additive Specifications of all current JECFA specifications is available on-line

[https://openknowledge.fao.org/search?f.isPartOfSeries=Joint%20FAO%2FWHO%20Expert%20Committee%20on%20Food%20Additives%20\(JECFA\)%20Monographs,equal&spc.sf=dc.date.issued&spc.sd=DESC](https://openknowledge.fao.org/search?f.isPartOfSeries=Joint%20FAO%2FWHO%20Expert%20Committee%20on%20Food%20Additives%20(JECFA)%20Monographs,equal&spc.sf=dc.date.issued&spc.sd=DESC). The updated database on specifications for food additives is available at <https://www.fao.org/food/food-safety-quality/scientific-advice/jecfa/jecfa-additives/en/>.

The updated database on specifications for flavouring agents is available at <http://www.fao.org/food/food-safety-quality/scientific-advice/jecfa/jecfa-flav/en/>.

The Chemical Technical Assessments are available at <https://openknowledge.fao.org/home>.

A *Summary of Evaluations* performed by the Joint FAO/WHO Expert Committee on Food Additives, a comprehensive searchable database that summarizes all JECFA evaluations from the first through recent meetings, is available at [https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-\(jecfa\)/publications/summary-reports](https://www.who.int/groups/joint-fao-who-expert-committee-on-food-additives-(jecfa)/publications/summary-reports).