

WHO FOOD ADDITIVES SERIES: 71

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Prepared by the eightieth meeting of the  
Joint FAO/WHO Expert Committee  
on Food Additives (JECFA)

# Safety evaluation of certain food additives and contaminants



Food and Agriculture  
Organization of the  
United Nations



World Health  
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Design: Rania Spatha ([www.raniaspatha.com](http://www.raniaspatha.com))

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<sup>1</sup> Monographs on two contaminant groups (non-dioxin-like polychlorinated biphenyls and pyrrolizidine alkaloids) discussed at the eightieth meeting of the Joint FAO/WHO Expert Committee on Food Additives will be published as separate supplements in the WHO Food Additives series.



## PREFACE

The monographs contained in this volume were prepared at the eightieth meeting of the Joint Food and Agriculture Organization of the United Nations (FAO)/World Health Organization (WHO) Expert Committee on Food Additives (JECFA), which met at FAO headquarters in Rome, Italy, on 16–25 June 2015. These monographs summarize the data on selected food additives reviewed by the Committee. Monographs on two contaminant groups discussed at the meeting will be published as separate supplements in the WHO Food Additives series.

The eightieth report of JECFA will be published by WHO in the WHO Technical Report series. Reports and other documents resulting from previous meetings of JECFA are listed in [Annex 1](#). The participants in the meeting are listed in [Annex 3](#) of the present publication. A summary of the conclusions of the Committee with respect to the food additives discussed at the meeting is given in [Annex 4](#).

JECFA serves as a scientific advisory body to FAO, WHO, their Member States and the Codex Alimentarius Commission, primarily through the Codex Committee on Food Additives, the Codex Committee on Contaminants in Food and the Codex Committee on Residues of Veterinary Drugs in Foods, regarding the safety of food additives, residues of veterinary drugs, naturally occurring toxicants and contaminants in food. Committees accomplish this task by preparing reports of their meetings and publishing specifications or residue monographs and dietary exposure and toxicological monographs, such as those contained in this volume, on substances that they have considered.

The monographs contained in this volume are based on working papers that were prepared by WHO experts. A special acknowledgement is given at the beginning of each monograph to those who prepared these working papers. The monographs were edited by M. Sheffer, Ottawa, Canada.

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Any comments or new information on the biological or toxicological properties of or dietary exposure to the compounds evaluated in this publication should be addressed to: WHO Joint Secretary of the Joint FAO/WHO Expert Committee on Food Additives, Department of Food Safety and Zoonoses, World Health Organization, 20 Avenue Appia, 1211 Geneva 27, Switzerland.

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