

INTERNATIONAL  
STANDARD

ISO  
8260

IDF  
130

First edition  
2008-07-15

---

---

**Milk and milk products — Determination  
of organochlorine pesticides and  
polychlorobiphenyls — Method using  
capillary gas-liquid chromatography with  
electron-capture detection**

*Lait et produits laitiers — Dosage des pesticides organochlorés et des  
polychlorobiphényles — Méthode par chromatographie capillaire en  
phase gazeuse-liquide avec détection à capture d'électrons*



Reference numbers  
ISO 8260:2008(E)  
IDF 130:2008(E)

© ISO and IDF 2008

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. Neither the ISO Central Secretariat nor the IDF accepts any liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies and IDF national committees. In the unlikely event that a problem relating to it is found, please inform the ISO Central Secretariat at the address given below.



**COPYRIGHT PROTECTED DOCUMENT**

© ISO and IDF 2008

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO or IDF at the respective address below.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

International Dairy Federation  
Diamant Building • Boulevard Auguste Reyers 80 • B-1030 Brussels  
Tel. + 32 2 733 98 88  
Fax + 32 2 733 04 13  
E-mail [info@fil-idf.org](mailto:info@fil-idf.org)  
Web [www.fil-idf.org](http://www.fil-idf.org)

Published in Switzerland

Contents	Page
Foreword.....	iv
Foreword.....	v
Introduction .....	vi
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions.....	1
4 Principle.....	2
5 Reagents and materials .....	2
6 Apparatus .....	4
7 Sampling.....	4
8 Preparation of sample .....	4
8.1 Milk.....	4
8.2 Evaporated milk .....	5
8.3 Sweetened condensed milk.....	5
8.4 Powdered milk products .....	5
8.5 Butter and butterfat .....	5
8.6 Cheese .....	5
8.7 Other milk products.....	5
9 Preparation of test sample.....	5
9.1 Extraction of milk.....	5
9.2 Extraction of sweetened condensed milk, powdered milk products, butter, butterfat and cheese .....	6
10 Procedure .....	6
10.1 General.....	6
10.2 Blank test.....	6
10.3 Cryogenic extraction .....	6
10.4 Clean-up.....	6
10.5 Gas chromatography.....	7
10.6 Blank result .....	8
11 Calculation and expression of results.....	8
11.1 Calculation of the response factor.....	8
11.2 Expression of the response factor.....	8
11.3 Calculation of the organochlorine compound content.....	8
11.4 Expression of the result.....	9
11.5 Relative retention time .....	9
11.6 Expression of the retention time.....	9
12 Precision .....	9
12.1 General.....	9
12.2 Repeatability.....	9
12.3 Reproducibility.....	9
13 Test report .....	10
Annex A (informative) Interlaboratory trial .....	11
Annex B (informative) Example of a chromatogram.....	12
Bibliography .....	14