

DIN EN ISO 15753:2011-11 (E)

Animal and vegetable fats and oils - Determination of polycyclic aromatic hydrocarbons (ISO 15753:2006 + Amd.1:2011)

Contents		Page
Forewor	
1	Scope	
2	Normative references	
3	Terms and definitions	
4	Principle	
5	Reagents and materials	
6	Apparatus	
7	Sampling	
8	Sample preparation	
9	Procedure for determination of PAHs from fats and oils: General method	
9.1	Preliminary remarks	
9.2	Blank	
9.3	Determination of recovery values (without matrix)	
9.4	Extraction (liquid/liquid extraction)	
9.5	Purification on C18-bonded phase cartridge (solid/liquid extraction)	
9.6	Purification on Florisil-bonded phase cartridge (solid/liquid extraction)	
10	Procedure for determination of PAHs from fats and oils: Method specific for coconut oil	
10.1	First extraction (liquid/liquid extraction)	
10.2	Second extraction (liquid/liquid extraction)	
10.3	Purification on C18-bonded phase cartridge (solid/liquid extraction)	
10.4	Purification on Florisil-bonded phase cartridge (solid/liquid extraction)	
11	High-performance liquid chromatography (HPLC)	
11.1	Operating conditions	
11.2	Detection parameters	1
11.3	Analysis of samples and standards	1
11.4	Confirmation of the presence of PAHs	1
12	Expression of results	1
13	Precision	1
13.1	Interlaboratory test	1
13.2	Repeatability	1
13.3	Reproducibility	1
14	Test report	1
Annex A (informative)	Recovery values, flow charts, chromatograms and injection sequences	1
Annex B (informative)	Results of the interlaboratory test	

Bibliography	2
Foreword to 1:2011	3