

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 736

OIL SEED RESIDUES

DETERMINATION OF DIETHYL ETHER EXTRACT

1st EDITION

May 1968

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Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 736, *Oilseed residues – Determination of diethyl ether extract*, was drawn up by Technical Committee ISO/TC 34, *Agricultural food products*, the Secretariat of which is held by the Magyar Szabványügyi Hivatal (MSZH).

Work on this question by the Technical Committee began in 1963 and led, in 1965, to the adoption of a Draft ISO Recommendation.

In October 1966, this Draft ISO Recommendation (No. 1043) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	Romania
Bulgaria	Iran	South Africa,
Czechoslovakia	Israel	Rep. of
Chile	Italy	Thailand
Colombia	Korea, Rep. of	Turkey
France	Netherlands	U.A.R.
Germany	Poland	United Kingdom
Hungary	Portugal	Yugoslavia

Two Member Bodies opposed the approval of the Draft :

Canada
Ireland

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in May 1968, to accept it as an ISO RECOMMENDATION.

OIL SEED RESIDUES

DETERMINATION OF DIETHYL ETHER EXTRACT

INTRODUCTION

As the principal users of oilseed residues, namely, the manufacturers of animal feeding stuffs, have always determined the oil content of oilseed residues by extraction with diethyl ether and have accumulated a large amount of data on the subject, it has been considered necessary to establish this method of determination and this is the subject of the present ISO Recommendation.

However, as the determination of the oil content of oilseeds is carried out according to ISO Recommendation R 659, *Oleaginous seeds – Determination of oil content*, by extraction with n-hexane or light petroleum, it has been thought necessary that the oil content of oilseed residues should be determined in the same way in order to provide for control of oil production. This method is the subject of ISO Recommendation R 734, *Oilseed residues – Determination of oil content*. The two methods do not always give the same results.

1. SCOPE

This ISO Recommendation describes a method for the determination of diethyl ether extract of residues (excluding compounded products), obtained by the extraction of oil from oilseeds by pressure or solvent.

2. DEFINITION

By *diethyl ether extract* is meant the whole of the substances extracted by this solvent under the operating conditions described below.