



IOI OLEOCHEMICAL

PHARMA

IMWITOR[®] 960 K

TECHNICAL DATA SHEET

B.P. (current version):

Self-emulsifying Glyceryl Monostearate

DESCRIPTION

IMWITOR® 960 K is an ester of palmitic and stearic fatty acid with glycerol. Fatty acids and glycerol are derived from vegetable sources. It contains at least 30.0 % of mono-glycerides and additionally approx. 5 % of alkaline stearate.

APPLICATION

Due to its powerful emulsifying property IMWITOR® 960 K is broadly used in several pharmaceutical topical preparations. Emulsions with IMWITOR® 960 K are not sensitive to a wide range of APIs and is therefore able to form stable formulations.

Typical dosage: 2-7 %.

CHEMICAL AND PHYSICAL PROPERTIES

Tests	Values	Typical values	Units	Methods
Acid value	max. 6	1.5	mg KOH/g	Ph. Eur. 2.5.1
Melting point	56 - 61	59.6	°C	Ph. Eur. 2.2.15
1-Monoglycerides	min. 30.0	32.8	%	DGF C-VI 5*
Soap	max. 6.0	5.2	%	B.P. monograph
pH value	8 - 10	9.3		Ph. Eur. 2.2.3
HLB value	~ 9 - 12			

* The results of 1-Monoglycerides are equivalent to method description in B.P

IMWITOR® 960 K fully complies with the requirements of the current B.P. monograph “Self-emulsifying Glyceryl Monostearate”.

Above mentioned tests are a selection of relevant parameters and do not represent the complete current sales specification.

Light yellowish, solid flakes with a nearly neutral odour. IMWITOR® 960 K does not contain additives or residues of antioxidants, stabilizers or solvents.

IMWITOR® 960 K exhibits a high storage stability and no rancidity risk because it is free from unsaturated components. It shows a very good skin compatibility.



Solubility

IMWITOR® 960 K is soluble in chloroform, ethanol, diethyl ether, vegetable oils and MCT oils like MIGLYOL® 812 N.

PACKAGING UNITS

Flakes in paper sacks with a PE inliner of 25 kg net.

HANDLING AND SHELF LIFE

If stored longterm in original tightly closed containers, dry, protected from light and moisture and below 25°C, the shelf life then is at least three years.

IOI Oleo GmbH

Hamburg, Germany | +49 40 28 00 31-0
pharma@ioioleo.de | www.ioioleo.de

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