

RiSoft-Gx

Glycerol Mono Stearate (self-emulsifying)

HSN: 29157030 EEC: E-471 Mono & Di Glycerides se

Description

RiSoft-Gx is a fatty acid ester made from 100% renewable raw materials derived from plant origin. It has versatile properties that allow it to act as: an emulsifier, stabilizer, structurant, etc.

Characteristic Values*

Properties	Units	AOCS Test Method	RiSoft-Gx GMS se
Physical:			
Appearance	@ 25°C	Visual	Ivory Flakes
Clarity <small>molten form</small>	Gardner Tube	Visual	Clear
Color <small>molten form</small>	Gardner Scale	Visual	3 max
Moisture	%	Ca 2c-25	1 max
Melting Point	°C	Cc 1-25	57 +/- 2
Emulsion (5% disp. in hot water w/w)	@ 25°C	Visual	Stable
pH (pH paper)	pH Scale	Visual	7 +/- 1
Chemical:			
Acid Value	mg KOH/g	Cd 3d-63	5 max
Saponification Value	mg KOH/g	Cd 3-25	145 – 165
Iodine Value	cg I ₂ /g	Tg 1-64	3 max
Hydroxyl Value	mg KOH/g	Cd 13-60	300 – 330
Monoglycerides	%	Cd 11b-91 (GC)	40 min
Free Polyol	%	Cd 11b-91 (GC)	5 max
Soap as K/Na Stearate	%	RRMPL	5 – 7

*Slight variations in the characteristic values stated are possible due to production made out of natural raw materials but it shall have no influence on its application functionalities.

Packing: In Bags (net wt. 25 kgs)

Shelf Life / Storage: Shelf life is 12 months from manufacturing date when stored in a cool place (< 35°C), in tightly closed packaging, protected from dust, heat, & moisture.

Applications

Industry: Food	Function	Benefits
Breads	Emulsifier	Dough Softener, Excellent Starch Complexing, Good Anti-Staling
Cakes	Emulsifier	Excellent Aerating Properties
Biscuits	Emulsifier	Better Fat Distribution resulting in Good Texture/Crispness
Ice-Creams	Emulsifier	Stable Emulsion, Better Overrun, Inhibits Ice Crystals
Margarines/Shortenings/Peanut-Butter	Emulsifier	Stable Emulsion & Structure

Authorization: (sign not necessary if emailed doc.)

Approved by:	Approved by:	Approved by:
TECH: EX	MFGN: EX	MKTG: EX

The information contained in this document is based on our own research and development and is to the best of our knowledge reliable. Users should, however, conduct their own tests to determine the suitability of our products for their own specific purposes and the legal status for their intended use of the product. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for the infringement of any patents.