

RiSoft-Gx

Glycerol Mono Stearate (self emulsifying)

HSN: 2915

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, 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 |
| Melt Point | °C | Cc 1-25 | 57 +/- 3 |
| Emulsion <small>5% disp. in hot water w/w</small> | @ 25°C | Visual | Stable |
| 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 Glycerol | % | Cd 11b-91 (GC) | 5 max |
| Soap as K Stearate | % | ROML | 7 +/- 1 |

*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: The shelf life for this material 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: Personal Care | Function | Benefits |
|-------------------------|------------|-----------------------------------|
| Creams | Emulsifier | Emolliency, Structure, Lubricancy |
| WetWipes | Emulsifier | Emolliency, Structure, Lubricancy |
| Ointments | Emulsifier | Emolliency, Structure, Lubricancy |
| Suppositories | Emulsifier | Emolliency, Structure, Lubricancy |

Authorization: (sign not necessary if emailed doc.)

| Approved by: | Approved by: | Approved by: |
|--------------|--------------|--------------|
| TECH: EX | MFGN: EX | MKTG: EX |

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