



Wellgo Chemical Technology Co., LTD
GMS-60
(Glycerol Monostearate 60%)

PRODUCT NAME WELLGO GMS-60

PRODUCT TYPE Emulsifier, Food grade

CAS No.: 31566-31-1; 123-94-4

E No.: E471

COMPOSITION AND DESCRIPTION

Component	Percentage	Color	White to off-white
Monoglyceride content (%)	60%	Taste	Neutral, little fatty
Free glycerol (%)	≤ 2.0	Appearance	Waxy beads or powder

CHEMICAL/PHYSICAL SPECIFICATIONS

Saponification value	165-185	mg KOH/g
Residue on ignition	≤0.4%	
Acid value	≤4.0	mg KOH/g
Melting point	≥60	°C
Iodine value	≤ 2.0	gI/100g

HEAVY METAL SPECIFICATIONS

Arsenic (as As)	≤ 2	mg/kg
Heavy metal (as Pb)	≤ 5	mg/kg
Mercury	≤ 1	mg/kg
Cadmium	≤ 1	mg/kg

APPLICATION AREAS:

Distilled Glycerol monostearate 60% (GMS-60) is made from edible, fully hydrogenated vegetable based oil. It can be used as emulsifier and stabilizer in food and non-food industry.

Bread: Prevent dough from aging, increase foaming ability and water absorption, provide fine and smooth crumb texture and prolong shelf life.

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Cake and Cake Emulsifier: Provide excellent aerating and foaming stability, improve texture and facilitate production

Chewing Gum base: Improve mastication and texture, soften gum base and facilitate mixture, especially for SBR and PVA

Caramel and Toffee: Decrease viscosity, oil exudation, and crystallization, facilitate production and improve general taste

Ice Cream and Ice Cream Stabilizer: Facilitate aeration, improve anti-melt-ability and offer refined texture and creamy taste

PACKAGING, STORAGE AND TRANSPORTATION

Storage

GMS60 shall be stored at 25 /77 °C °C max and 80% relative humidity max, away from sunlight and odorous products. It has a shelf life of 24 months in original package.

Packaging

25kg per multilayer bag with PE inner bag

LEGAL STATU

GMS-60 meets the specifications laid down by the FAO/WHO, the EU, and the Food Chemicals Codex. It is covered by EU reference No. E471 and by US FDA No. 21 CFR 184.1505.

ADDITIONAL SAFETY INFORMATION

A Material Safety Data Sheet is available on request.

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