



Capmul[®] GMS-50K

CAS Number: 31566-31-1

INCI name: Glyceryl Stearate

Synonyms:

Glyceryl Monostearate

Product Type:

Capmul[®] GMS-50K (Glycerol Stearate) is a mono-diglyceride of hydrogenated vegetable oil. **Capmul[®] GMS-50K** is a multi-functional emulsifier that acts as a surfactant, opacifier, and lubricant. **Capmul[®] GMS-50K** is listed in the Food Chemical Codex (FCC) under Glycerol Monostearate and is generally recognized as safe (GRAS) according to 21 CFR § 184.1505.

Specifications:

Specification	Limit	Test Method
Appearance/Form	white beads	Visual
% Free Fatty Acid	2.0 max.	¹ AOCS Ca 5a-40
Iodine Value	5.0 max.	² USP <401>
Alpha-Mono-glycerides	50% min.	AOCS Cd 11-57
Free Glycerin	1.5% max.	AOCS Ca 14-56

¹AOCS: American Oil Chemists' Society

²USP: United States Pharmacopeia / National Formulary.



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Typical Fatty Acid Distribution by GLC:

12:0 Lauric Acid.....	0.0% max.
14:0 Myristic Acid.....	0.0-1.0%
16:0 Palmitic Acid.....	8.0-10.0%
17:0 Margaric Acid.....	0.0-1.0% max.
18:0 Stearic Acid.....	85.0% max.
18:1 Oleic Acid.....	2.5% max.

Regulatory:

- Generally recognized as safe (GRAS) according to 21 CFR § 184.1505.
- Listed in the Food Chemical Codex (FCC) under Glycerol Monostearate.

Functions:

- Emulsifier
- Lubricant
- Viscosity modifier
- Emollient

Pharmaceutical Applications:

- Delivery systems
- Infant formulas
- Suppository systems
- Tablet systems
- Coating Applications

Shelf-Life:

Retest and re-qualify 12 months from the date of manufacture.

Storage:

Store in a dry place at 68-77 °F.

Standard Package:

50 lb. (22.7 kg.) cartons.

The information contained in this bulletin to the best of our knowledge is currently true and accurate. Any recommendations or suggestions are made without warranty or guarantee since, among other reasons, the conditions of storage and use are beyond our control.