

CAPMUL® Medium Chain Mono- and Diglycerides

Capmul products are a mixture of mono-, di-, and triglycerides of medium chain fatty acids. They are made by esterifying glycerol with vegetable sourced caprylic and capric fatty acids. Our products are:

- made in the U.S.A.
- suitable for vegan and/or vegetarian diets
- gluten free
- Kosher & Halal
- not manufactured from ingredients that are known food allergens or from genetically modified (non-GMO) vegetable sources or synthetic materials.

Did you know...

...that the immunomodulatory components of Echinacea are from compounds called alkylamides that are oil soluble? This very important botanical only works when formulated as part of a lipid delivery system like a Self Emulsifying Nutritional Delivery System (SENDS). Using a SENDS as your formulation will improve the bioavailability and absorption of Echinacea and many of the other compounds and botanicals in your product portfolio.



“SEND” your consumers the very best nutrition

Applications:

Capmul products consist of medium chain mono- and diglycerides and provide solutions to the nutraceutical industry's challenge to improve the bioavailability of today's complex compounds. Capmul products act as solubilizers for poorly soluble compounds or as a suspension medium to facilitate absorption and improve bioavailability.

Capmul products can be used as:

- Bioavailability enhancer
- Solubilizer
- Emulsifier/co-emulsifier
- Carrier (vehicle)
- Self emulsifying nutritional delivery systems (SENDS)

Regulatory

Generally recognized as safe (GRAS) when used according to 21 CFR § 184.1505.

Certifications, Registrations, etc.

- GFSI-BRC Global Standard for Food Safety
- ISO 9001
- Kosher and Halal
- ISO 14001 and OHSAS 18001
- cGMP
- HACCP
- Batch processes, quality practices, product recall and traceability drills
- EPA establishment number

Typical Properties

	Chemical Name	Caproic (C6) fatty acid content (%)	Caprylic (C8) fatty acid content (%)	Capric (C10) fatty acid content (%)	Lauric (C12) fatty acid content (%)	Appearance/Form (25°C)	Free Glycerol (%)	α-mono-glycerides (%)
Capmul MCM	Glyceryl caprylate/caprates	≤1.0	80-90	10-20	≤1.0	Colorless or slightly yellow oily liquid or soft mass	≤2.5	≥48
Capmul MCM C8	Glyceryl caprylate	≤1.0	≥95	≤5	≤1.5	Waxy mass, paste or liquid	≤3.0	≥48
Capmul MCM C10	Glyceryl caprate	≤1.0	≤5	≥95	≤3.0	White solid	≤3.0	≥45
Capmul 471	Glyceryl monocaprylocaprates	≤1.0	55-60	40-45	≤2.0	Colorless or slightly yellow oily liquid or soft mass	≤2.0	≥30

	Chemical Name	C16 fatty acid content (%)	C18 fatty acid content (%)	C18:1 fatty acid content (%)	C18:2 fatty acid content (%)	C18:3 fatty acid content (%)	C20:0 fatty acid content (%)	Appearance (25°C)	Free Glycerol (%)	mono-glycerides (%)
Capmul GMO-50	Glyceryl monooleate	≤12	≤6	≥60	≤35	≤2	≤2	Yellow Semi-solid	≤6.0	55.0-65.0

Capmul is a lipophilic vehicle that, when used alone or in combination with Captex oil, assists in the development of a solution, suspension, emulsion, or microemulsion to facilitate absorption and improve bioavailability for a wide variety of nutraceutical compounds.

