

Product Information Brochure
ADWIL XPERT LMG (E471)

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Adwil Xpert LMG

Product Type: A blend of mono-, di- and triglycerides based on natural vegetable oil. An all-vegetable, trans-free and non-GMO fully hydrogenated triglycerides. ADWIL XPERT LMG has crystallizing properties, special oil-binding properties and effect on emulsion stabilization.

USES

- Controls Oil separation (de-oiling/oil exudation) with minimum dosage
- Easy to use, to be dissolved in the fat base
- Can be used in Chocospread, peanut butter applications

BENEFITS

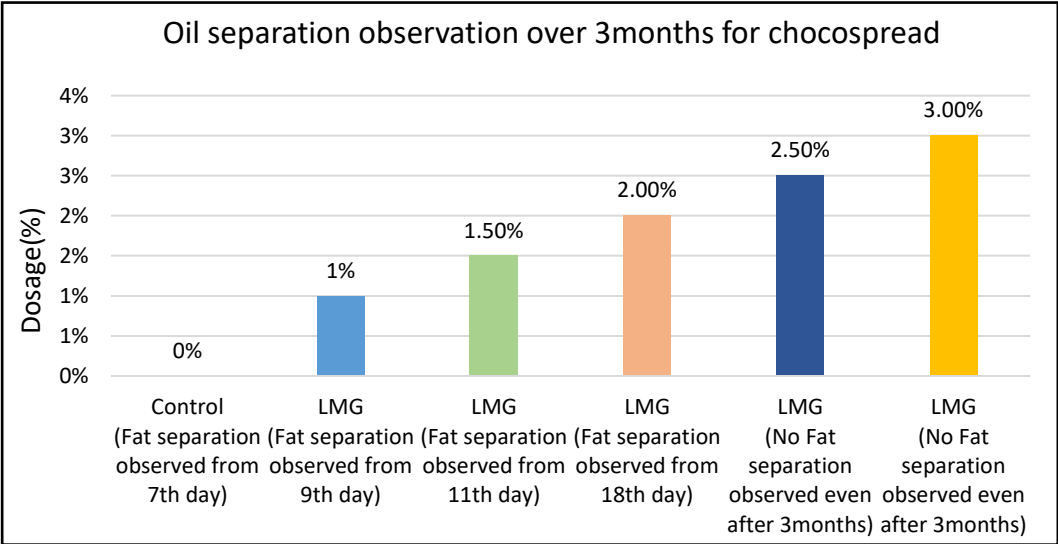
- Visible results in yield stress reduction thereby increasing machineability
- Addresses oil separation in chocospread and peanut butter
- Do not impact sensorial properties
- No restricted use limitations

Typical Specification	
Color & Appearance	Creamish white powder/ flakes
Melting Point	53 - 63°C
Acid Value	3 Max
Mono Content	10 - 13
Iodine Value	2 Max
Free Glycerin	1 Max
HLB	4.4



Efficacy Data

AWL Adwil Xpert LMG_ was tested with different dosage in chocospread application. After 3months of the trial's observations were noted for all the samples along with control. Excellent results were obtained at 2.5% dosage to address separation.



Efficacy Data
Chocospread Application

SAMPLES	LMG DOSAGE	VISCOSITY DATA AT 40°C (Pa s) (VISCO METER)	YEILD STRESS (Pa)
Control (Without LMG)	STD	2.613	22.25
Chocospread	1%	1.8594	8.016
	1.5%	1.6904	6.2176
	2%	1.4434	4.3675
	2.5%	1.5490	5.9803
	3%	2.391	2.455



STD(Control)- Large amount of oil Separation observed



1% LMG- Oil Separation seen
Large amount of oil Separation observed



1.5% LMG- Oil Separation seen
Large amount of oil Separation observed



2% LMG- Oil Separation observed



2.5% LMG- No Oil Separation observed



3% LMG- No Oil Separation observed

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