



GIIOINSTA LV – nGM

High Oleic, Low viscosity

non-GMO Soyabean Lecithin liquid for Instantising. (Non-GMO Soyabean Based, no Palm)

Description

Light to dark brown Low viscosity non-GMO Soyabean Lecithin, which is standardized with no extraneous flavour.

Application

Instantizer for Spray dried powder.

Formulation of health food is always a challenge for Nutritionist, because of ever changing variety of demands. It is even bigger challenge for the ingredients manufacturer to comply Nutritionist requirements.

Whey Powders, Concentrates, Skim Milk Powders & Protein concentrates from important part of Health food powders. It is essential to make them easily dispersible in water.

- Skim milk powder.
- Full Cream milk powder.
- Whey Powder.
- Whey Protein Concentrates
- Coca/milk instant drinks

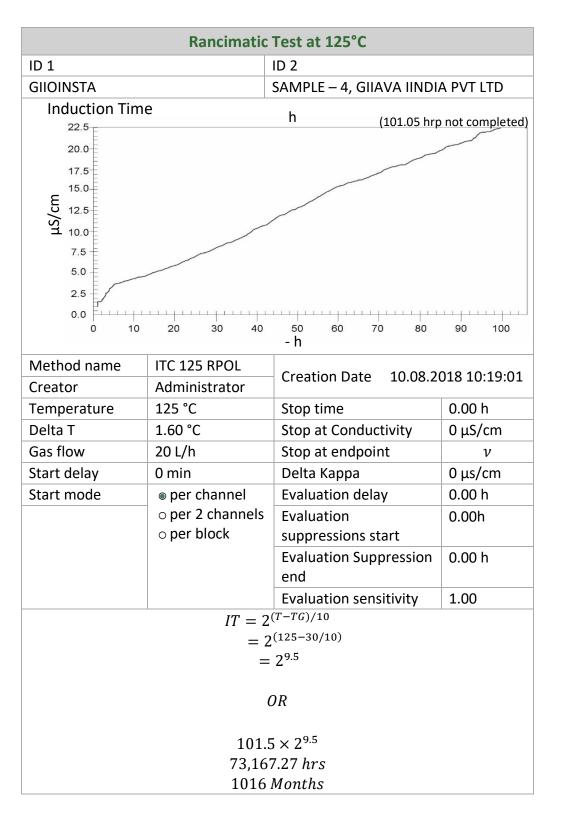
Please find attached RANCIMAT test results for GIIOInsta LV-nGM. It is stable for >100 month or >8 years. Extremely stable for PV & Rancidity.



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GIIAVA now produces unique GIIOINSTA instantizer with following qualities.

- Instantizer is based on non-GMO Soyabean Lecithin.
- It does not contain any Palm Based products.
- It has very low viscosity & makes it easy to handle.
- It is ultra-filtered & so easy to make fine spray through nozzles.



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1. Chemical & Phy	Jical Analys	
Parameters	Units	
Phosphatides (as Acetone Insoluble, % w/w)	>30	AOCS-Ja-4-46
Moisture (% w/w)	<1	AOCS-Ja-26-87
Hexane Insoluble (%, w/w)	<0.3	AOCS-Ja-3-87
Toluene Insoluble (%, w/w)	<0.3	AOCS-Ja-3-87
Acid Value (mg KOH/g)	<20	AOCS-Ja-6-55
Viscosity (cP @ 25°C)	<200	AOCS-Ja-11-87
2. Microbiologi	cal Analysis	
Total Plate Count (CFU/g)	<1000	ISO 4833:2003
Yeast (CFU/g)	<100	FDA BAM April 2001
Mould (CFU/g)	<100	FDA BAM April 2001
Enterobacteriaceae (detection in 1g)	Negative	FDA BAM April 2001
E-Coli (detection in 1g)	Negative	ISO 16649-2:2001
Salmonella (detection in 25g)	Negative	ISO 6579:2002
3. Heavy Metal	s Analysis	
Arsenic (ppm, w/w)	<3	ICP – AES
Lead (ppm, w/w)	<1	ICP – AES
Mercury (ppm, w/w)	<1	ICP – AES
Cadmium (ppm, w/w)	<1	ICP – AES
Total Heavy Metals (ppm, w/w)	<10	ICP – AES
4. Dosa	ge	1
Spray 2-4% w/w on fluid be	d during spi	ray drying.
5. Packag	ging	
200kg HDPE Drums or 1MT IBC or 20 N	1T in ISO bulk	ς.
6. Stora	ge	
In closed container, Product must be st before use.	tirred well wi	th heating at 40°C
7. Shelf	Life	