



FICCI RESEARCH & ANALYSIS CENTRE

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TEST REPORT

101131

Issued to:
The Sirsa Distt. Coop Milk Producers Union Ltd.
Sirsa, Milk Plant Begu Road Sirsa- 125055

Reg. No.: FRAC/F/180112021
Your ref. No.: MUS/Q.C/2017-18/15466
Letter Dt: 23.12.2017

Kind Attn: Mr. S.K Walia

Date of Issue: 27.01.2018
Date of Sample Recd.: 12.01.2018
Date of Sampling: Not Applicable
Date of Sample Booking: 12.01.2018
Date of Start of Analysis: 13.01.2018
Date of Completion: 27.01.2018

Sample Description:
MUS/QCD/DEC.2017- Gee Poly
Pack one Liter Vita Brand

Batch No.: 131
Mfg. Dt.: Dec- 2017
Exp. Date: Not specified
Sample Quantity: 1Kg

Specification Followed: FSSAI Regulation No. 2.1.10.2
Sampling Method: Not Applicable

TEST RESULTS

S. No.	Parameters	Results	Specification	Test Method	
1.	Description	Pale Yellow Colour Ghee	Not Specified	Physical	
2.	Test of Rancidity	Absent	Not Specified	FSSAI Lab Manual Oil & Fat 2016	
3.	Vegetable Oil and Fat	Absent	Not Specified		
4.	Test for Mineral Oil	Absent	Not Specified		
5.	Preservative (SO ₂), mg/kg	ND (DL-10.0)	Absent		AOAC 990.28
6.	Test of Synthetic Colour, mg/kg			FSSAI Lab Manual Food Additives – 2016	
	Ponceau 4R	ND (DL-1.0)	Absent		
	Carmoisine	ND (DL-1.0)	Absent		
	Erythrosine	ND (DL-1.0)	Absent		
	Tartrazine	ND (DL-1.0)	Absent		
	Sunset yellow FCF	ND (DL-1.0)	Absent		
	Indigo Carmine	ND (DL-1.0)	Absent		
	Brilliant Blue FCF	ND (DL-1.0)	Absent		
	Fast Green FCF	ND (DL-1.0)	Absent		
7.	Test for added Natural Colours			FSSAI Lab Manual Food Additives – 2016	
	Curcumin	Absent	Absent		
	Chlorophyll	Absent	Absent		
	Annatto Extract	Absent	Absent		
	Caramel	Absent	Absent		
	Riboflavin, mg/kg	ND (DL- 2.0)	Not Specified	FRAC/SOP/INST/007	
	Beta carotene, mg/kg	ND (DL- 1.0)	Not Specified		
	Beta-apo-8carotene, mg/kg	ND (DL- 10.0)	Not Specified		
8.	Quality Parameters			IS 548:1964 (P-I)	
	Butyro Refractometer reading at 40°C	41.3	40.0 - 43.0		
	Reichert Value	29.92	Min 26.0		
	Free Fatty Acid as Oleic acid, %	0.28	Max 3.0		
	Moisture, %	0.07	Max 0.5		
	Baudouin Test	Absent	Negative		IS 548:1976 (P-II)
	Peroxide oxide, meq/kg	ND (DL-0.5)	Not Specified		IS: 548: 1964 (P-1)
	Polenske Value	1.76	Not Specified		

Page 1 of 2

Anil Kumar

Devender Kumar

Authorised Signatory

Aatish Anurag

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TEST REPORT

101144

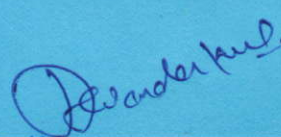
Reg. No.: FRAC/F/180112021

Page 2 of 2

9.	Metal Contaminants, mg/kg			
Lead	ND (DL- 0.1)	Max 0.1	FRAC/SOP/INST/066	
Copper	ND (DL- 0.1)	Max 30.0	FRAC/SOP/INST/066	
Arsenic	ND (DL- 0.1)	Max 0.1	FRAC/SOP/INST/066	
Tin	ND (DL- 0.1)	Max 250	FRAC/SOP/INST/066	
Zinc	0.20	Max 50.0	FRAC/SOP/INST/066	
Cadmium	ND (DL- 0.1)	Max 1.5	FRAC/SOP/INST/066	
Mercury	ND (DL- 0.1)	Max 1.0	FRAC/SOP/INST/066	
Methyl Mercury	ND (DL- 0.1)	Max 0.25	FRAC/SOP/INST/066	
10.	Pesticide Residue, mg/kg			
Aldrin	ND (DL- 0.01)	Max 0.05	FRAC/SOP/INST/046	
Dieldrin	ND (DL- 0.01)	Max 0.05	FRAC/SOP/INST/046	
Chlordane	ND (DL- 0.01)	Max 0.05	FRAC/SOP/INST/084	
D.D.T.	ND (DL- 0.01)	Max 1.25	FRAC/SOP/INST/046	
Fenitrothion	ND (DL- 0.01)	Max 0.05	FRAC/SOP/INST/084	
Heptachlor	ND (DL- 0.01)	Max 0.15	FRAC/SOP/INST/046	
Chloreinvinphos	ND (DL- 0.01)	Max 0.2	FRAC/SOP/INST/084	
Chlorpyrifos	ND (DL- 0.01)	Max 0.01	FRAC/SOP/INST/046	
2,4-D	ND (DL- 0.01)	Max 0.05	FRAC/SOP/INST/084	
Ethion	ND (DL- 0.01)	Max 0.5	FRAC/SOP/INST/046	
Monocrotophos	ND (DL- 0.01)	Max 0.02	FRAC/SOP/INST/084	
Carbendazim	ND (DL- 0.01)	Max 0.1	FRAC/SOP/INST/084	
Benomyl	ND (DL- 0.01)	Max 0.1	FRAC/SOP/INST/084	
Carbofuran	ND (DL- 0.01)	Max 0.05	FRAC/SOP/INST/084	
Cypermethrin	ND (DL- 0.01)	Max 0.01	FRAC/SOP/INST/046	
Edifenphos	ND (DL- 0.01)	Max 0.01	FRAC/SOP/INST/084	
Fenthion	ND (DL- 0.01)	Max 0.05	FRAC/SOP/INST/046	
Fenvalerate	ND (DL- 0.01)	Max 0.01	FRAC/SOP/INST/046	
Phorate	ND (DL- 0.01)	Max 0.05	FRAC/SOP/INST/084	
Pirimiphos-methyl	ND (DL- 0.01)	Max 0.05	FRAC/SOP/INST/084	
Hexachlorocycle hexaxne				
α HCH	ND (DL- 0.01)	Max 0.02	FRAC/SOP/INST/046	
β HCH	ND (DL- 0.01)	Max 0.02	FRAC/SOP/INST/046	
γ HCH	ND (DL- 0.01)	Max 0.20	FRAC/SOP/INST/046	
Delta HCH	ND (DL- 0.01)	Max 0.02	FRAC/SOP/INST/046	
11.	Test For Preservatives , mg/kg			
Benzoic acid	ND (DL- 10.0)	Absent	FRAC/SOP/INST/059	
Sorbic acid	ND (DL- 1.0)	Absent		
12.	Antioxidants, mg/kg			
BHA	ND (DL- 10.0)	Absent	FRAC/SOP/INST/036	
TBHQ	ND (DL- 10.0)	Absent		
13.	Melamine, mg/kg	ND (DL- 10)	Not Specified	FRAC/SOP/INST/090
14.	Aflatoxin M1, mcg/kg	ND (DL-0.125)	Max 0.5	FRAC/SOP/MICRO/003

ND- Not Detected, DL-Detection Limit

Remark: The sample conforms to the above specifications with respect to the above tested parameters.


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