

PRODUCT INFORMATION SHEET

Product

: 4010001026 MARIGOLD LUTEIN OR -DEO(191-210 G/KG)

Issue No

: 15

Issue Date

: 09.05.2018

Review due on

: 01.10.2025

Description

General Name

: Marigold

Botanical Name

: Tagetes erecta L.(Family:Compositae)

Preparation

: Solvent extraction of the dried flowers followed by deodourisation

Sl No.	Tests	Specification	Protocol
	Organoleptic Characteristics		
1	Odour	Relatively odourless	Sensory(QM/1011)
2	Appearance	Orange brown waxy semisolid	Sensory(QM/1011)
	Physical Characteristics		
1	Solubility	Soluble in fixed oils.	Visual
	Chemical Characteristics		
1	Xanthophylls-MRY	191.000 g/Kg Min	AOAC 21st Edition 2019 volume - 3
	Residual Solvent		
1	Residual Hexane	20.000 mg/kg Max	FCC 12th Edition
2	Residual Methanol	20.000 mg/kg Max	FCC 12th Edition
3	Residual Solvents- Total	20.000 mg/kg Max	FCC 12th Edition
	Microbiology		
1	E.Coli	3 mpn/g Max	BAM, online, October, 2020 Chapter - 4
2	Salmonella	Absent in 25g	BAM, online, May 2024 Chapter - 5
3	T. P. C	10 cfu/g Max	BAM,online January,2001 Chapter-3
4	T. Y. M. C	10 cfu/g Max	BAM, online, April, 2001 Chapter - 18
	Mycotoxin		
1	Aflatoxin Total	10.000 µg/kg Max	ASTA 24.2, 1997 Edition
2	Aflatoxin-B1	5.000 µg/kg Max	ASTA 24.2, 1997 Edition
	Heavy Metals		
1	Arsenic	1.000 mg/kg Max	AOAC 19th Edition 999.11
2	Cadmium	0.500 mg/kg Max	AOAC 19th Edition 999.11
3	Lead	0.500 mg/kg Max	AOAC 19th Edition 999.11
4	Mercury	0.100 mg/kg Max	AOAC 19th Edition 999.11



SYN/QLC/41A

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Certification	Certificate of analysis and material safety data sheet accompany the consignment
Shelf Life	Best before 730 days under the specified storage conditions
Intended Use	Food colourant
Labelling	The label displays product name, lot number, net weight, gross weight and other information / marks specified by the customer
Packing	HDP / Steel containers
Handling	Can stain contact parts. Stir before transferring the product from the container. Warm slightly, if necessary
GMO Statement	This product and the raw materials used to produce said product are free from GMO
Storage	Store in full, tight containers in a cool dry place protected from light and oxidation.
Additives	Nil
Suitability Data	Kosher/Halal certified
Remarks	Criteria for contaminants defined as per different country regulations & customer requirements. For matrix and testing of contaminants as per FSSAI refer Annexure SYN/FSSR/01). Storage Condition : 20 - 25 Deg C
Vulnerable group identification	No user group is identified as vulnerable to this product.