



Nutraaceuticals Group USA 8404 Sunstate Street Tampa, FL 33634, USA Tel: +813-461-7500 sales@nutraintlgroup.com nutraaceuticalsgroup.com	Nutraaceuticals Group UK The Old Smithy, 7 High Street, Merstham, Surrey, RH1 3BA, UK Tel: +44-203-696-2780 sales@nutraaceuticalsgroup.com nutraaceuticalsgroup.com	Nutraaceuticals Group DE Hagener Hauptstraße 8, 21684 Stade, DE Tel: +49 4162 7023697 sales.de@nutraaceuticalsgroup.com nutraaceuticalsgroup.com
--	---	--

Product Master Specification

Item Name	Safflower Oil Powder 60% Microencapsulated Vegan (Carthamus tinctorius)
Product Code	NIGENUL1005157
Product Type	Nutritional Lipids
Issue Date	19-Jun-2026
Version	V01
QA Status	Final Approved
Intended use	Food use
Test	Specification
Organoleptic	
Appearance	White/ almost white/ yellow tinted powder
Odour and Taste	Characteristic
Characteristics	
Latin Name	Carthamus tenctorius
Assay	Fat - >60% Oleic acid - 8.4 - 21.3% Linoleic acid - 67.8 - 83.3% Linolenic acid - ND - 0.1%
Irradiation	Free
GMO	Free
BSE/TSE	Free
Physical/Chemical	
Particle Size	>=90% thorough 40 mesh
Bulk Density	0.3-0.55 g/ml
Loss on Drying	≤ 5.00 %
Heavy Metals	
Lead (Pb)	≤ 1.00 ppm
Arsenic (As)	≤ 1.00 ppm
Cadmium (Cd)	≤ 1.00 ppm
Mercury (Hg)	≤ 0.10 ppm
Microbiological	
Total Plate Count	< 1,000 cfu/g
Yeast and Mould	< 100 cfu/g
Escherichia coli (E. coli)	Not detected / 10g
Salmonella	Not detected / 10g

Staphylococcus aureus	Not detected / 10g
Storage & Handling	
Storage	Store in a clean, cool, dry place at 5 - 25°C. Protect from humidity (RH < 60) and sunlight.
Preparation and/or handling before use or processing	Please ask our QA department for detailed instructions
Transportation	Transportation suitable for dried food powders
Packaging	All packaging meets EU regulations
Shelf Life	18 months from manufacture if stored according to conditions above
Approved by	Quality Department
Signed By	Emma Elrington
Disclaimer	All batches are fully in line with all requirements of the agreed specifications as standard, however not all parameters are tested per batch all of the time. Nutraceuticals Group guarantee all batches.
Template Version	NGEMNSPEC202408a
Nutritional (Typical) / 100g	
General Information	While Nutraceuticals Group strives to provide comprehensive information about all ingredients, the specific nutritional data for this product is currently not available. We recommend conducting further analysis if precise nutritional information is required for your product labelling.