



MINCLEAR N150 A Bleaching Earth light-to-bleach vegetable oil refining

Properties

MINCLEAR N150 is a natural bleaching earth based in highly absorptive smectite clay, formed by small particles with highly porous inner structure, very active in terms of interaction with other organic compounds.

MINCLEAR N150 removes chlorophylls, carotenoids, phospholipids and other polar molecules by adsorption and cation exchange, due to its very high surface area (higher than 200 m²/g) and high cation exchange capacity (80 mEq/100g).

MINCLEAR N150 shows good filtration rate, low retention of oil and a very easy dispersion in vegetable oils and other fats

Field of Application

MINCLEAR N150 is a good choice for light-to-bleach vegetable oils and other fats, reducing the consumption of clay in the refining process.

MINCLEAR N150 is specially recommended for refining sunflower and palm oils.

Recommendations and use

It is recommended to determine the suitable dosage of MINCLEAR N150 with experimental studies depending on oil characteristics and process specs. Major dosages for vegetable oils are in the range of 0,2 – 2%.

Certificates and Accreditations

Minclear N150 is FEDIOL compliant as certified by LUFA ITL GmbH.

TOLSA S.A. is registered in the Spanish Sanitary Registry (Registro General Sanitario de Empresas Alimentarias y de Alimentos (RGSEAA)) with extension in European Union, with number ES/31.00002874/M to manufacture, import and distribute technological coadjuvants different than enzymes for food contact.

Colour	Light cream
Appearance	Free flowing powder
Presentation	Available in 20 Kg paper bags, 1000 kg Big-bags and bulk

TYPICAL DATA	
Moisture (%)	5.5
pH (10%)	8.6
Bulk Density (g/L)	560
TYPICAL DRY SIEVE ANALYSIS (%)	
Residue on 250 microns	0
Finer than 45 microns	52

MINCLEAR N150
NATURAL BLEACHING EARTH FOR LIGHT-TO-BLEACH VEGETABLE OIL REFINING



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