

Product Information

MONCAT® 4181

Embedded sulfided nickel on silica catalyst

PRODUCT DESCRIPTION

MONCAT™ 4181 is a sulfided activated nickel on silica catalyst embedded in hydrogenated vegetable oil, developed for the oils and fats industry.

Typical Properties

Property	Unit	Value
Activation		Pre-activated, no activation required
Appearance		Black pastils
Chemical Name		Embeded Sulfided Nickel on Silica Catalyst
Color		Black to Grey
Melting Point	°C	60
ASTM E324-23		
Product Form		Pastilles
Promoters		Sulfur
Support		Silica

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

The partial hydrogenation of triglycerides with a moderate amount of isomerization

Product Composition

Product Composition	Unit	Value
Nickel, Range	%	17-19
X-Ray fluorescence Spectroscopy		

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

This catalyst shows superior catalytic performance along with excellent filtration properties.

PACKAGING

- MONCAT™ 4181 is delivered in 175 kg steel drums with polyethylene bag liners.
- For large volumes of 650 to 750 kg super sacks are available.

STORAGE

- Drums should be kept tightly closed, protected from freezing, not exposed to direct sunlight and stored in a dry well ventilated place between 5 and 30°C (40 to 83°F).
- The catalyst is packed under nitrogen to inhibit oxidation. Therefore, once the packaging has been opened, it is recommended to use the catalyst within 2 months.

SHELF LIFE

The shelf life is up to 12 months under the standard storage conditions as specified above.

REGISTRATION LISTING SUMMARY

- Kosher Passover certified
- HALAL certified

FOOD CONTACT COMPLIANCE

MONCAT™ 4181 can be used as a processing aid for edible oils

Disclaimer

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