Eusil F (E551)

Premium Food-Grade Amorphous Silicon Dioxide

The only precipitated silica produced on the Balkan Peninsula — from Stara Zagora, Bulgaria.

≥ 96%	223 m²/g	3 years	E551
SiO2 CONTENT	SPECIFIC SURFACE AREA	SHELF LIFE	ADDITIVE CODE

PRODUCT DESCRIPTION

A light, fine powder engineered for food and cosmetic industries

Eusil F (E551) is a white to off-white amorphous silica powder manufactured in compliance with Regulation (EC) 852/2004, 231/2012, and 2002/32. With a high specific surface area of 223 m²/g and excellent anti-caking performance, it ensures consistent flowability and stability of powdered and granular products throughout storage and processing.

- **Food industry:** Anti-caking agent in powdered spices, sugar, salt, milk powder, and instant beverage mixes.
- **Cosmetics & personal care:** Carrier, thickener, and flow aid in face powders, dry shampoos, deodorants, and toothpaste.
- **Detergents & cleaning:** Flow improver and carrier in powdered detergents and household cleaning products.

ANALYTICAL PROFILE

Property	Value / Norm
SiO2 content (ignited basis)	≥ 96.0% (Typical: 96.2%)
Loss on ignition (1000°C)	max. 7%
pH (1% aqueous solution)	6.9
Specific surface area (BET)	≥ 220 m²/g (Typical: 223 m²/g)
Bulk density (undense)	≤ 220 g/dm³
Oil absorption (glycerol)	≥ 5 g/g
Form / Color	Fine amorphous powder / White to off-white

COMPETITIVE POSITIONING

Criterion	Eusil F (Mineralcommerce JSC)	Typical Import (Global)
Production origin	EU — Bulgaria, Balkan-only producer	Outside EU (Asia/Middle East)
Food compliance	EC 231/2012, HACCP, ISO 9001	Varies — requires verification
BET surface area	≥ 220 m^2/g — high absorption	Typically 150–200 m^2/g
Supply chain	Direct EU distribution network	4–10 weeks by sea freight
Batch consistency	Single site — controlled production	Variable — multiple sources

MINERALCOMMERCE JSC
The only amorphous silica producer in the Balkan region.

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