Product specification

CM-NANO2-E250-E
Revision 0

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supersedes: CM-NANIFG-E, Rev. 0

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SODIUM NITRITE FOOD GRADE E250
PRD-NO.: 30216106

1. General

This product is produced and marketed by BASF SE, Ludwigshafen, Germany. The unit producing and marketing this product is certified according to ISO 9001.
An HACCP concept is implemented. GMP requirements according to FDA Title 21 Food and Drugs, cGMP Part 110 are fulfilled.

Appearance:	white to slightly yellow crystalline product
Chemical Name:	sodium nitrite, $NaNO_2$
CAS no.:	7632-00-0
EINECS no.:	231-555-9

2. Properties

Property	Unit	Limit	Test method
Appearance of solution		pass test	European Pharmacopoeia
Acidity or alkalinity		pass test	European Pharmacopoeia
heavy metals (Sum as Pb)		pass test	European Pharmacopoeia
$NaNO_2$	g/100 g	min. 99.0	Titration
$NaNO_3$	g/100 g	max. 0.7	IC
Na_2CO_3	mg/kg	max. 600	Titration
Chloride	mg/kg	max. 50	IC
Sulphate	mg/kg	max. 50	IC
H_2O (loss on drying)	g/100 g	max. 0.2	Gravimetry
insolubles	mg/kg	max. 50	Gravimetry
heavy metals	mg/kg	max. 10	ICP-OES
As	mg/kg	max. 0.2	ICP-OES
Cd	mg/kg	max. 1	ICP-OES
Pb	mg/kg	max. 1	ICP-OES
Hg	mg/kg	max. 0.05	ICP-OES

Sodium Nitrite Food Grade fulfils the purity criteria for food additives set by Directive (EU) 231/2012, the Joint (FAO/WHO) Expert Committee on Food Additives (JECFA) in the Codex Alimentarius as well as the one contained in the Food Chemical Codex. It also fulfils the effective specification limits of the European Pharmacopoeia and the US Pharmacopoeia.
For use as a food additive, Sodium Nitrite Food Grade has a limited license in the EU according to E-No. 250.