

## Product Specification

### SODIUM NITRATE FOOD GRADE E251

PRD-NO.: 30216103

#### 1. General

This product is produced by BASF SE, Ludwigshafen, Germany. BASF SE, Ludwigshafen, Germany is certified according to ISO 9001. An HACCP-Concept (EC) No. 852/2004 is implemented. The requirements according to "FDA: Current Good Manufacturing Practice, Hazard Analysis, and Risk-Based Preventive Controls for Human Food; 21 CFR Part 117 are fulfilled.

Appearance: white, crystalline product; can cake during storage and transportation  
 Chemical Name: sodium nitrate, NaNO<sub>3</sub>  
 CAS-Nr.: 7631-99-4  
 EINECS-Nr.: 321-554-3

#### 2. Properties

Parameter	Unit	Specification	Test method
NaNO <sub>3</sub>	g/100 g	min. 99.5	Titration
H <sub>2</sub> O (loss on drying)	g/100 g	max. 0.2	Gravimetry
NaNO <sub>2</sub>	mg/kg	max. 30	Titration
Na <sub>2</sub> CO <sub>3</sub>	mg/kg	max. 200	Titration
pH-value (5%)	-	5.5. – 8.3	BASF method
NaCl	mg/kg	max. 200	Titration
Na <sub>2</sub> SO <sub>4</sub>	mg/kg	max. 50	IC
Insolubles	mg/kg	max. 90	Gravimetry
Heavy metals (Sum as Pb)	mg/kg	max. 10	ICP-OES
As	mg/kg	max. 1	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 nitrate 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.

For use as a food additive, sodium nitrate food grade has a limited license in the EU according to E-N° 251.

May contain process-related agglomerated particles up to 500 µm, which do not affect the quality of the product.

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

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