Sodium Nitrate

1. IDENTIFICATION

CHEMICAL NAME: Sodium nitrate

CHEMICAL FORMULA: $NaNO_3$

CAS No.: 7631-99-4

EINECS No.: 231-554-3

MOLECULAR WEIGHT: 84,99

2. FEATURES

METHOD	DETERMINATIONS	VALUE	UNITS	TOLERANCE
(*)	Sodium nitrate ($NaNO_3$)	98	% w/w	Minimum
(*)	Chlorides (Cl)	0,5	% w/w	Maximum
Visual	Aspect	Pearls of white colour	-	-
-	Sulphates (SO_4)	0,15	% w/w	-
-	Nitrates (NO_2)	0,002	% w/w	-
-	Potassium (K)	1,35	% w/w	-
-	Iron (Fe)	5	ppm	Maximum
-	Copper (Cu)	1	ppm	Maximum
-	Chromium (Cr)	1	ppm	Maximum
-	Lead (Pb)	5	ppm	Maximum
-	Arsenic (As)	0,1	ppm	Maximum
-	Insolubles	0,1	% w/w	-
-	Humidity	0,1	% w/w	-
-	Volumetric Weight	1,22	g/cm^3	-
-	Water solubility (20 ºC)	88	$g/100\ cm^3$	-
-	Melting point	308	ºC	-
-	Granulometry			
	+ 7 mesh (2.81 mm)	5	% w/w	-
	+ 8 mesh (2.36 mm)	38	% w/w	-
	+ 9 mesh (2.00 mm)	55	% w/w	-
	+ 10 mesh (1.68 mm)	86	% w/w	-
	+ 14 mesh (1.20 mm)	96	% w/w	-
	< 20 mesh (0.85 mm)	1	% w/w	-

(*) The parameter values specified are guaranteed by analysis methods of our product supplier / service.

3. APPLICATION

- Glass Industry
- Manufacture of Explosives and Pyrotechnics
- Ceramics Industry
- Leather industry
- Aluminium Industry (Heat treatment of alloys)

4. PRESENTATION

The product is marketed in:
- Bags of 50 Kg