



PRODUCT CODE: 141675

Sodium Fluoride (USP) pure, pharma grade

FNa
NaF

M.= 41,99

CAS [7681-49-4]

EINECS 231-667-8

TARIC 2826 19 10 00

PHYSICAL DATA: crystals, powder, White, Soluble in water 40 g/l at 20 °C D 2,78 • M.P.: 993 °C • B.P.: 1.704 °C
• pH(40g/l)10,2 •

BIBLIOGRAPHY: Merck Index **12**, 8.762 13, 8.691 Sax **SHF500** • Safety **2** , **3140 C** • Römp **8** , **2735** • Fieser **11073 2382** • ACS **XI** • ISO 6353/3-1987R - 88 , 63 • BP.**2018** • USP **41** • Ph. Eur. **9.0** (2017) 1509**9.0** (2017) **8.0** (2014) 2432 •

HAZARDOUS: C.E: 009-004-00-7 • RTECS: WB 0350000 • LD L0 oral hmn 71 mg/kg • LD50 oral rat 52 mg/kg • LD50 ipr mus 38 mg/kg VLA-ED 2,5 mg/m3



H: H301 • EUH032 • H319 • H315 •

P: P264 • P270 • P280 • P301+P310 • P302+P352 • P501 • P305+P351+P338 • P321 • P330 • P332+P313 • P337+P313 • P362 • P405 •

TRANSPORT REGULATIONS: UN: 1690 • ADR: 6.1/III • IMDG: 6.1/III • IATA: 6.1/III • PAX: 670 • CAO: 677 • (E) •

OBSERVATIONS: Product controlled as dual purpose. •

SPECIFICATIONS:

Assay (calc. a.d.s.)
Identity :

98,5-100,5%

Identity according to Pharmacopoeias: passes test

Maximum limit of impurities

Appearance of solution	passes test
Acidity or alkalinity	passes test
Insoluble matter in H ₂ O	0,025 %
Loss on drying at 150°C	0,5%
Chloride (Cl)	0,012%
Phosphate (PO ₄)	0,002 %
Sulfate (SO ₄)	0,01%
Residual solvents (Ph.Eur/USP)	passes test
Sodium fluorosilicate (NaSiF ₆)	passes test
Heavy metals (as Pb)	0,002%

Residual metals ICP: (according to EMEA/CHMP/SWP/4446/2000)

Class 1A (Pt, Pd)	10 ppm
Class 1B (Ir, Rh, Ru, Os)	10 ppm
Class 1C (Mo, Ni, Cr, V)	25 ppm
Class 2 (Cu, Mn)	250 ppm
Class 3 (Fe, Zn)	1.300 ppm