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SODIUM BORATE 10H2O

FORMULA:

$\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$

(CAS : 1303-96-4 / EINECS : 215-540-4)

Borax, Sodium tetraborate.

APPEARANCE:

Colourless crystals, soluble in water or glycerol; insoluble in alcohol.

CONCENTRATION:

Sodium Borate ($\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$): 99,90 – 105,45 %

PHYSICAL PROPERTIES:

Sieve analysis

Mesh size + 1,18 mm: max. 4 %

Mesh size - 0,063 mm: max. 4 %

CHEMICAL ANALYSIS:

Boron trioxide (B_2O_3): 36,47 – 38,50 %

Sodium oxide (Na_2O): 16,24 – 17,14 %

Sulphate (SO_4^{2-}): max. 135 ppm

Chloride (Cl): max. 70 ppm

Iron (Fe): max. 10 ppm