

# Specification

Item number: 9105

## HEPES

**PUFFERAN® ≥99,5 %, p.a.**

CAS No.: 7365-45-9

print date: 01.01.2024

formula:  $C_8H_{18}N_2O_4S$

density:

molecular weight: 238,31 g/mol

### Guarantee analysis

Assay (titr.)	≥99,5 %
Solubility (0,1 M in H <sub>2</sub> O)	clear, complete
pH-value (5 % in H <sub>2</sub> O)	5,0-6,0
Sulphated ash	≤0,1 %
Loss of drying (140 °C, 30 min)	≤0,2 %
Chloride (Cl)	≤0,005 %
Phosphate (PO <sub>4</sub> )	≤0,01 %
Sulphate (SO <sub>4</sub> )	≤0,01 %
Lead (Pb)	≤0,0005 %
Cadmium (Cd)	≤0,0005 %
Calcium (Ca)	≤0,05 %
Iron (Fe)	≤0,0005 %
Copper (Cu)	≤0,0005 %
Magnesium (Mg)	≤0,0005 %
Nickel (Ni)	≤0,005 %
Heavy metals (as Pb)	≤0,0005 %

### Absorbance:

260 nm	≤0,05
280 nm	≤0,04
405 nm	≤0,03

Our products are tested for laboratory use only.

The stated information refers to the current status of product quality.

We reserve the right to implement necessary changes.

**Dr. R. Niemand**  
Head of Quality Assurance

**S. Lorsee**  
Head of Quality Management

*This document is computer printout and has therefore not been signed by hand.*

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