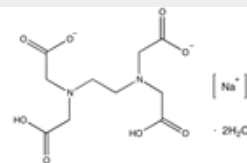


**Ethylenediaminetetraacetic acid, EDTA, disodium salt, dihydrate,  
Pharmpur®, Ph Eur, BP, USP****Identification**

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$   
M = 372,24 g/mol  
CAS [6381-92-6]  
EC number: 205-358-3  
Taric code: 2922 49 95

**Synonyms**

Edetic acid disodium salt, Disodium dihydrogen ethylenediaminetetraacetate

**Applications**

analytical chemistry, sequestering agent, in pharma industry.

**Specifications**

assay (complexometric, referred to dried sample) 99,0 - 101,0 %  
assay (complexometric)..... 98,5 - 101,0 %  
Identification IR..... passes test  
Identification sodium..... passes test  
Identification B (USP)..... passes test  
Identification B (EP)..... passes test

Identification C (EP)..... passes test  
appearance of solution..... clear and colourless  
pH (5 %, H<sub>2</sub>O)..... 4,0 - 5,5  
calcium (Ca)..... passes test  
iron (Fe)..... max. 80 ppm  
nitrilotriacetic acid [(HOCOCH<sub>2</sub>)<sub>3</sub>N]..... max. 0,1 %  
loss on drying (150°C, 6 h)..... 8,7 - 11,4 %

**Physical data**

- Appearance: powder, white
- Bulk density: ~ 400 - 500 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 100 g/l
- Melting point: 252 °C (decomposes)
- pH(50 g/l H<sub>2</sub>O, 20 °C) 4 - 5

**Safety - GHS**

Signal Word: Warning

**Hazard Statements:**

H332: Harmful if inhaled.

H373: May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

P260: Do not breathe dust / fume / gas / mist / vapours / spray.

P271: Use only outdoors or in a well-ventilated area.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor / physician if you feel unwell.

P314: Get medical advice / attention if you feel unwell.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- 10°C - 30°C