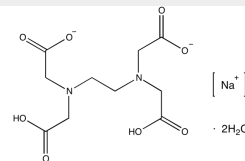


Ethylenediaminetetraacetic acid, EDTA, disodium salt, dihydrate, molecular biology grade

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.

Specifications

assay (complexometric, referred to dried sample) min. 99 %
absorbance of an aqueous solution 0,1 M in a 1 cm cell at 260 nm
max. 0,2 AU
absorbance of an aqueous solution 0,1 M in a 1 cm cell at 280 nm
max. 0,02 AU

heavy metals (as Pb)..... max. 5 ppm
loss on drying (150°C, 6 h)..... 9,0 - 10,0 %
DNases, RNases, Proteases non detected

Physical data

- Appearance: powder, white
- Bulk density: ~ 400 - 500 kg/m³
- Solub. in water: (20 °C): 100 g/l
- Melting point: 252 °C (decomposes)
- pH(50 g/l H₂O, 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