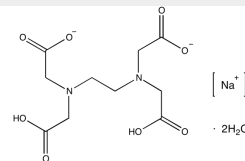


Ethylenediaminetetraacetic acid, EDTA, disodium salt, dihydrate, for analysis, ExpertQ®, ACS, Reag. Ph Eur

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).....	99,0 - 101,0 %	chlorides (Cl).....	max. 0,004 %
Identification IR.....	passes test	sulfates (SO ₄).....	max. 0,01 %
identity (complexation).....	passes test	cyanides (CN).....	max. 0,001 %
identity (sodium).....	passes test	calcium (Ca).....	passes test
appearance.....	passes test	copper (Cu).....	max. 0,0001 %
appearance of solution (50 g/l).....	passes test	heavy metals (as Pb).....	max. 0,0005 %
pH (5 %, H ₂ O, 25 °C).....	4,0 - 5,0	iron (Fe).....	max. 0,0005 %
insoluble matter.....	max. 0,003 %	lead (Pb).....	max. 0,001 %
nitrilotriacetic acid [(HOCOCH ₄) ₃ N].....	max. 0,1 %	loss on drying (150°C, 6 h).....	8,7 - 11,4 %

Physical data

- Appearance: crystalline powder, white or almost 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