

Technical Information

Edeta® B Powder

PRD 30035109

Valid since 31.07.2020
Revision 3.0

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Care Chemicals**Organic chelating agent for cosmetic formulations****INCI name(s)**

Tetrasodium EDTA

Chemical description

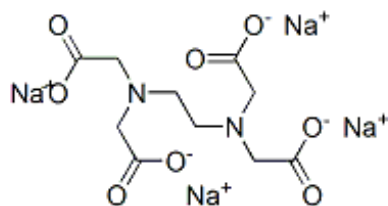
Ethylenediaminetetraacetic acid, tetra-sodium salt

Physical form:

White powder, practically odorless

Molecular weight

380 g/mol

Molecular Formula $C_{10}H_{12}N_2Na_4O_8$ **Structural Formula****CASR-No.**
64-02-8**Ingredient**
Ethylenediaminetetraacetic acid, tetra-sodium salt

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Care Chemicals**Characteristic values**

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the product.

Quality control data

(Data which is used for quality release and is certified for each batch.)

Test property	Specification	Test method
Concentration calculated as EDTA-Na ₄ (MW 380 g/mol)	86.0 - 88.0 %	potentiometric titration with FeCl ₃ solution (Internal method)
Bulk density	620 - 760 g/l	ISO 697
pH value (1 % in water, 23 °C)	10.5 - 12.5	DIN 19268

Storage information**Shelf life**

18 months

Storage conditions

In original sealed containers and protected from moisture

Additional information

Store in a cool place.

Edeta® B Powder is hygroscopic and should be kept in tightly sealed containers.

Stabilising additives / Auxiliaries**Preservatives**

not present

Antioxidants

not present

Solvents

not present

Others

not present



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Care Chemicals

General information

Raw material basis

Synthetic: (mineral oil / natural gas)
Inorganic

Composition hints for finished product label

INCI Components

INCI Name (US/EU/CN)	Content
Tetrasodium EDTA	86 - 94 %

Water Content

Content
6 - 14 %

Product properties

Solubility

Water: yes

Miscellaneous information

Application

The Edeta® grades are aminocarboxylic acids with six functional groups whose characteristic reactions enable them to form complexes. They sequester undesirable metal ions in cosmetic preparations, preventing precipitation on the salts responsible for water hardness and protecting against rancidity and color changes caused by heavy metal ions.



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Care Chemicals

Intended for use as cosmetic ingredient

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