

Technical Information

Edeta® BX-LB Powder

PRD 30748425

Valid since	03.02.2020
Revision	1.0
WF-No.	22613
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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 $C_{10}H_{12}N_2Na_4O_8$ **CASR-No.**

64-02-8

Ingredient

Ethylenediaminetetraacetic acid, tetra-sodium salt

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 propertyConcentration calculated as EDTA-
Na₄ (MW 380 g/mol)**Specification**

86 - 88 %

Test methodPotentionmetric titration with FeCl₃
solution (BASF method)

Bulk density

0.620 - 0.760 g/cm³

DIN ISO 697

pH-value (1 % in water; 23 °C)

10.50 - 12.50

DIN 19268

Additional product descriptive data

(Data which is proven statistically but not determined regularly.)

Test property

NTA content

Specification

max. 0.2 %

Test method

BASF method

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Care Chemicals**Typical values**

(For information purposes only, not part of the guaranteed specifications.)

Property	Value
Water content	approx. 10 %
Color APHA (40 % in water)	approx. 50

Storage information**Shelf life**
24 months**Storage temperature**
Between 0 °C and + 50 °C**Storage conditions**
In original sealed containers and protected from moisture**Additional information**
Store in a cool place**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 - 88 %

Water Content

Content
14 - 17 %

Product properties

Solubility

Water: yes

Miscellaneous information

The manufacturing process for Edeta® BX-LB Powder guarantees high purity and a very low level of byproducts. Main features are the low formaldehyde content of about 10 ppm and the NTA content (as Na₃NTA) of about 0.2 %.

Example of use

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.



We create chemistry

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Care Chemicals

Intended for use as cosmetic ingredient

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