

## Product Information

### ERYLITE®

#### General Information

ERYLITE® erythritol is a naturally occurring sugar alcohol, produced commercially by microbial fermentation of a carbohydrate substrate. ERYLITE® is mainly used as a sweetening agent and sugar replacement in foods and beverages due to its good sweetening power and a zero calorie content (in Europe and Japan, 0.2 kcal/g in the USA).

#### Chemical Data

Chemical Nomenclature	1,2,3,4 - Butanetetrol
Chem. Formula	C <sub>4</sub> H <sub>10</sub> O <sub>4</sub>
Molecular Weight	122 g/mol
Bulk Density	700 - 900 kg/m <sup>3</sup>
CAS-No.	149-32-6
EC-No.	205-737-3
E-No.	E968

#### Specification

Jungbunzlauer ERYLITE® is specified according to the purity criteria laid down by the Food Chemical Codex (FCC) and by Commission Regulation (EU) No 213/2012 and No 724/2013 for erythritol.

Parameters	Jungbunzlauer Limits
Identification	conforms
Assay	99.5 – 100.5 %
Lead	max. 0.5 mg/kg
Loss on Drying	max. 0.2 %
Reducing Sugars (as Glucose)	max. 0.3 %
Reducing Substances (as D-Glucose)	max. 0.3 %
Residue on ignition (sulfated ash)	max. 0.1 %
Conductivity	max. 20 µS/cm
Ribitol & Glycerol	max. 0.1 %

#### Characteristics

ERYLITE® occurs as colourless crystals or as white, crystalline powder. It is an odourless substance with a sweet taste. It is freely soluble in water, slightly soluble in alcohol (96%) and insoluble in diethyl ether. ERYLITE® is non-toxic and has a low reactivity. It is chemically stable if stored at ambient temperatures. It is not hygroscopic.

#### Legal Aspects

The US Food and Drug Administration (FDA) has affirmed Erythritol as GRAS (generally recognized as safe) and permitted the use in food according to current GMP, with upper limits for specific applications.

In the EU there is a general Erythritol approval. The usage of Erythritol in beverages is not allowed.

Erythritol is permitted as food additive in Canada, Australia, New Zealand, Taiwan, Korea, Israel, South Africa, Mexico and others. In Japan, Erythritol is approved as food.

### Granulation

Type	Particle size	Typical Value
F8030 Fine	> 0.80 mm	max. 15 %
	< 0.30 mm	max. 10 %
F1500 Powder	> 0.15 mm	max. 7 %

### Packaging and Storage

Jungbunzlauer ERYLITE<sup>®</sup> is available in 20 kg polyethylene bags. Jungbunzlauer guarantees a shelf life of 3 years for granular ERYLITE<sup>®</sup> and 6 months for powdered ERYLITE<sup>®</sup> if the product is stored in its original packaging under the following conditions:

Temperature 15-25° C

Relative humidity 40-60 %

Opened bags must be resealed to prevent lumping.

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The information contained herein has been compiled carefully to the best of our knowledge. We do not accept any responsibility or liability for the information given in respect to the described product. Our product has to be applied under full and own responsibility of the user, especially in respect to any patent rights of others and any law or government regulation.

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