

## Shelf Life

**Lactic Acid, Lactic Acid Buffered, Sodium Lactate, Potassium Lactate, Sodium Lactate / Sodium Diacetate, Potassium Lactate / Sodium Diacetate, Potassium Lactate / Potassium Diacetate and Potassium Lactate / Potassium Acetate**

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### Storage conditions

Lactic acid, lactic acid buffered, sodium lactate, potassium lactate, sodium lactate / sodium diacetate, potassium lactate / sodium diacetate, potassium lactate / potassium diacetate and potassium lactate / potassium acetate should be stored in their original packaging or in tight containers.

Recommended storage temperature: 5 – 30 °C

We recommend not to triple stack the pallets.

### Shelf life

We guarantee a shelf life of 3 years from the production date for all lactic acid grades if stored in original packaging under storage conditions as mentioned above. For lactic acid buffered, sodium lactate, potassium lactate, sodium lactate / sodium diacetate, potassium lactate / sodium diacetate, potassium lactate / potassium diacetate and potassium lactate / potassium acetate we guarantee a shelf life of 2 years from the production date. We aim to guarantee a longer shelf life in the future for lactic acid buffered, sodium lactate, potassium lactate, sodium lactate / sodium diacetate, potassium lactate / sodium diacetate, potassium lactate / potassium diacetate and potassium lactate / potassium acetate once stability tests will have been finished over such a longer period.

Physical properties may change on prolonged storage. A retest is thus recommended after 3 years in case of all lactic acid grades and after 2 year for lactic acid buffered, sodium lactate, potassium lactate, sodium lactate / sodium diacetate, potassium lactate / sodium diacetate, potassium lactate / potassium diacetate and potassium lactate / potassium acetate.

### Expiry date

The expiry date of all lactic acid grades is consequently 3 years and for lactic acid buffered, sodium lactate, potassium lactate, sodium lactate / sodium diacetate, potassium lactate / sodium diacetate, potassium lactate / potassium diacetate and potassium lactate / potassium acetate 2 years after the production date. On the packaging, the production and expiry dates are indicated as follows:

Production date: DD/MM/YYYY

Expiry date: MM/YYYY

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# Jungbunzlauer

To our valued customers

Basel, 3 August 2015

**Product: L(+)-lactic acid**  
**Change Control: new and increased shelf life of 36 months**

Dear customer

On the basis of our change control policy, we would like to inform you about the change of the initial shelf life of Jungbunzlauer L(+)-lactic acid.

After evaluating sufficient data concerning the stability of all of our lactic acid grades since the last change of shelf life, we will increase the initial shelf life of these products from 24 months to 36 months. This will be valid for all new lactic acid products produced from 1 October 2015 on.

The shelf life extension does not affect Jungbunzlauer sodium-L(+)-lactate, potassium-L(+)-lactate, L(+)-lactic acid buffered, sodium-L(+)-lactate / sodium diacetate, potassium-L(+)-lactate / sodium diacetate, potassium-L(+)-lactate / potassium diacetate and potassium-L(+)-lactate / potassium acetate. For these products the initial shelf life still remains 24 months. We aim to guarantee a longer shelf life in the future once stability tests will have been completed over such a longer period.

Please do not hesitate to contact us if you have any questions.

Kind regards

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