



PRODUCT SPECIFICATION

Product: Weyermann® Organic (Bioland) LME SINAMAR®

Crop: 2021

Weyermann® Certified Organic (Bioland) LME (Liquid Malt Extract) SINAMAR® is produced entirely from CARAFA® roasted malt. Weyermann® Certified Organic (Bioland) LME SINAMAR® extract is brewed like beer and then vacuumevaporated to concentrate it. It contributes dark color to the finished beer but next to no bitterness. Weyermann® Certified Organic (Bioland) LME SINAMAR® is packaged hot for sterility. It produces no turbidity and is highly pH-stable. Weyermann® Certified Organic (Bioland) LME SINAMAR® has no E-Number. Use 14g (11.9 ml) of Weyermann® Certified Organic (Bioland) LME SINAMAR® to darken 1 hl of beer or wort by 1 EBC; or use 1.5 oz. (1.25 fl.oz.) to darken 1 bbl of beer or wort by 1°Lovibond.

Raw Material: Certified organic malting quality barley (Bioland)

Source: Germany

Ingredients: Water
Certified organic roasted barley malt (Bioland)
Organic (Bioland) hops
Yeast

Recommended Brewery

Quantities: Food Industry as required

Usage: Black beer (Schwarzbier); Dark Lagers; all other beer types;

The following values are subject to harvest-specific variations. All analyses are performed by independent, certified laboratories according to MEBAK "Brew-Technical Analysis Methods". The color of the Caramel- and Roasted Malts is measured by the Hellige Neo-Komparator as the reference method.

| Parameter: | Minimum: | Maximum: | Unit: |
|----------------------|----------|----------|-----------|
| Extract | | 53 | GG%/BRIX° |
| Color (EBC) | 8100 | 8600 | EBC |
| Color (Lovibond) | 3054.2 | 3242.7 | Lovibond |
| Specific weight (ME) | 1.13 | 1.28 | kg/l |
| pH | 3.6 | 4.9 | |
| Viscosity | | 2000 | m Pa s |



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Shipping units: 5.9-kg, 11.8-kg, 25-kg plastic cans, 1180-kg container

Shelf life: When stored in a dry place within a temperature range of 0°C to 30°C (32 °F - 86 °F), there is a minimum shelf life of 18 months if unopened.

Hereby we confirm that our products meet all current legal German and European food laws and regulations. This is assured by our certified Quality Management System acc. DIN ISO 9001:2015 and HACCP-System acc. Rev. 4/2003. Our Heinz Weyermann® Roasted Malt Beer Brewery is also certified acc. FSSC 22000/5.

Food safety has the highest priority at Weyermann®.

Therefore, all raw materials are subject to a rigorous screening program. This was determined in an agreement with the German Maltsters' Association (DMB). The raw materials are analyzed for pesticides, mycotoxins and heavy metals by an accredited laboratory (SGS Fresenius). Because of this, all raw materials produced by Weyermann® are in accordance with Regulations (EU) No. 123/2005, 165/2010, 396/2005 and 1881/2006.

The NDMA content is below the allowable threshold. The compliance of these limit values is guaranteed by regular checks.

All Weyermann® products are in compliance with Regulations (EU) No. 1829/2003, 1830/2003, 49/2000 and 50/2000, and do not contain any genetically modified raw materials, ingredients or additives.

Our products are traceable and thus in accordance with Regulations No. (EU) 178/2002 and 1935/2004.

We do not use nanomaterials, hormones or ionizing radiation in our production.

We produce according to the "German Reinheitsgebot".

Our products are manufactured, processed, and labeled in accordance with EU-Öko VO (EG) Nr. 834/2007; and the implementation of this ecological standard is in compliance with regulation VO (EG) Nr. 889/2008. Weyermann® is certified by Kiwa BCS Ökogarantie, Nuremberg, agency number DE-ÖKO-001, as being in compliance with EU-Öko VO requirements.

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| For more information | Mich. Weyermann® GmbH & Co. KG Brennerstraße 17-19, 96052 Bamberg |
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