



Belgian Malts that Make Your Beer So Special

Dunkel Bock



Beer recipe

RECIPE FOR 100L

MALT

| | |
|--------------------|--------------|
| Château Pilsen 2RS | 28% / 6.2 kg |
| Château Vienna | 30% / 6.6 kg |
| Château Munich | 38% / 8.4 kg |
| Château Black | 4% / 0.9 kg |

HOPS

| | |
|-------------------------------|-------|
| Hallertau Tradition (5.5% aa) | 200 g |
|-------------------------------|-------|

YEAST

| | |
|------------------|-------|
| SafLager W-34/70 | 100 g |
|------------------|-------|

ABV 6.2%

Color 60
EBC

Bitterness
25 IBU

Description

Typical Dunkel Bock with Vienna and Munich malts to give a good and rich malty character and a small addition of roasted malt for color adjustment. Long boil to enhance the Maillard notes and addition of only one noble hop to promote a moderate bitterness to balance the full body of this beer.

Service:

Temperature: 4-6°C

BREWER'S TIPS

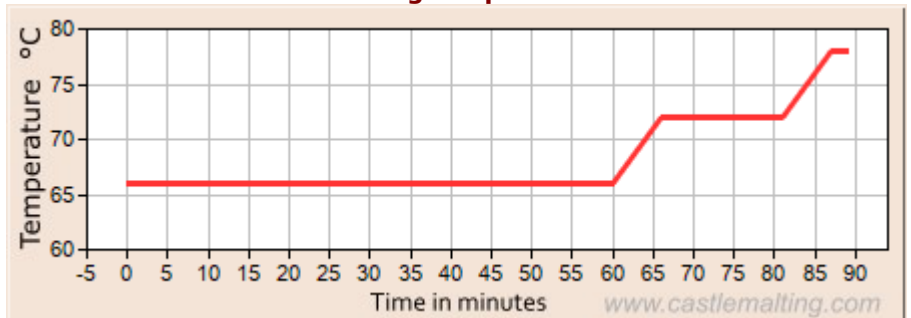
Mashing: Do the first amylolytic rest around 66-68°C to promote a full-body beer as part of this style. Keep the carbonation low to medium as part of the style.

This recipe is provided by Castle Malting®. Please note that this recipe is just a guideline. Some modification might need to be done to meet different technologies, efficiencies and ingredients yield as grain dry extract and hop alpha acid percentage.

For further information & service please contact: info@castlemalting.com

Brewing is an experiment! Brew your own beer! Send us your recipe, and we'll be pleased to publish it on our website

Mashing temperature



Step 1: Mashing

Mash-in and follow the profile below:

| | | | |
|----|-----|-----------|----------|
| pH | 5.3 | Mix Ratio | 2.7 L/kg |
|----|-----|-----------|----------|

Mash-in at 66°C
 Rest for 60min at 66°C
 Rise to 72°C at 1°C/min
 Rest for 15min at 72°C and do the **Iodine Test**
 Rise to 78°C at 1°C/min
 Rest for 2min at 78°C to **mash out**

Once the mash is done, filter and sparge with water at 78°C

Step 2: Boiling

Boil for 90min.
 Hop addition 1: After 30min add 130g of H. Tradition (22.5 IBU)
 Hop Addition 2: After 80min add 70g H. Tradition (2.5 IBU)
 Whirlpool to remove the trub

| | | | | | | | |
|------------|------|------------|------|----|--------|------------|-----|
| Total evap | 9.0% | Batch size | 100L | OG | 14.0°P | Efficiency | 85% |
|------------|------|------------|------|----|--------|------------|-----|

Step 3: Fermentation and Maturation Cool down the wort to 12°C and pitch the yeast. Ferment at 12°C for 2 days then rise to 15°C. Once the fermentation is done (FG reached and off-flavors removed – about 7 days), drop the temperature to 8°C and rest for 1 day, and then harvest the yeast. Drop the temperature to 2°C and rest for 10 days.

| | | | |
|-------------|-----|----|--------|
| Attenuation | 80% | FG | 2.95°P |
|-------------|-----|----|--------|

Step 4: Cold Aging and Packaging

Cold age the beer at 0°C for 5 days, remove the residual yeast, and carbonate until **2.4 volumes of CO2**. The beer is ready to package and drink. Enjoy!

*For refermentation in the bottle, add brewing sugar and SafAle F-2.

