

Traditional Bock #1

- Gravity **16.9 BLG**
- ABV ---
- IBU **29**
- SRM **20.9**
- Style **Traditional Bock**

Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.9 liter(s)**

Mash information

- Mash efficiency **68 %**
- Liquor-to-grist ratio **2.8 liter(s) / kg**
- Mash size **25.2 liter(s)**
- Total mash volume **34.2 liter(s)**

Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **25.2 liter(s)** of strike water to **71.9C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **32.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|----------------|-------|------|
| Grain | Pilzneński | 5 kg (55.6%) | 81 % | 4 |
| Grain | Strzegom Monachijski typ I | 2.5 kg (27.8%) | 79 % | 16 |
| Grain | Weyermann - Melanoiden Malt | 0.5 kg (5.6%) | 81 % | 53 |
| Grain | Strzegom Karmel 150 | 0.65 kg (7.2%) | 75 % | 150 |
| Grain | Caraamber | 0.1 kg (1.1%) | 75 % | 59 |
| Grain | Karmelowy Czerwony | 0.2 kg (2.2%) | 75 % | 59 |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.05 kg (0.6%) | 73 % | 1001 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Hersbrucker | 50 g | 60 min | 4.3 % |
| Boil | Lublin (Lubelski) | 30 g | 60 min | 3.5 % |
| Boil | Lublin (Lubelski) | 20 g | 20 min | 3.5 % |

| | | | | |
|------|----------------|-----|--------|-----|
| Boil | mech irlandzki | 7 g | 16 min | 1 % |
|------|----------------|-----|--------|-----|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------------------|-------|-------|--------|-------------|
| Wyeast - Bohemian Lager | Lager | Slant | 700 ml | Wyeast Labs |