

Rauchbock

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **19**
- SRM **12.2**
- Style **Traditional Bock**

Batch size

- Expected quantity of finished beer **33 liter(s)**
- Trub loss **10 %**
- Size with trub loss **39.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **49.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **28.5 liter(s)**
- Total mash volume **38 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **67 C**, Time **10 min**
- Temp **72 C**, Time **50 min**

Mash step by step

- Heat up **28.5 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **10 min** at **67C**
- Keep mash **50 min** at **72C**
- Sparge using **30.3 liter(s)** of **76C** water or to achieve **49.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|-----------------|-------|-----|
| Grain | Strzegom Monachijski typ II | 2.9 kg (30.6%) | 79 % | 22 |
| Grain | Pilzneński | 2.9 kg (30.6%) | 81 % | 4 |
| Grain | Wędzony bukiem Viking Malt | 2.24 kg (23.6%) | 82 % | 10 |
| Grain | Biscuit Malt | 0.53 kg (5.6%) | 79 % | 45 |
| Grain | Melanoiden Malt | 0.4 kg (4.2%) | 80 % | 39 |
| Grain | Weyermann Caramunich 3 | 0.26 kg (2.7%) | 76 % | 150 |
| Grain | Caraaroma | 0.26 kg (2.7%) | 78 % | 400 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------------------|--------|--------|------------|
| Boil | Hallertau Tradition | 55 g | 60 min | 4.2 % |
| Boil | Lublin (Lubelski) | 25 g | 60 min | 3 % |
| Aroma (end of boil) | Hallertau Tradition | 5 g | 15 min | 4.2 % |
| Aroma (end of boil) | Lublin (Lubelski) | 5 g | 15 min | 3 % |

Yeasts

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Name | Type | Form | Amount | Laboratory |
|---------------|-------------|-------------|---------------|-------------------|
| safale w34/70 | Lager | Dry | 13.2 g | safale |