

Christmas Ale

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **12**
- SRM **42.1**
- Style **Christmas/Winter Specialty Spiced Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **15.4 liter(s)**
- Total mash volume **21.5 liter(s)**

Steps

- Temp **69 C**, Time **60 min**

Mash step by step

- Heat up **15.4 liter(s)** of strike water to **78.8C**
- Add grains
- Keep mash **60 min** at **69C**
- Sparge using **16.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|------|
| Grain | Strzegom Pilzneński | 4 kg (65%) | 80 % | 4 |
| Grain | Strzegom Monachijski typ I | 1 kg (16.3%) | 79 % | 16 |
| Grain | Strzegom Karmel 150 | 0.25 kg (4.1%) | 75 % | 150 |
| Grain | Strzegom Karmel 300 | 0.25 kg (4.1%) | 70 % | 299 |
| Grain | Strzegom Czekoladowy ciemny | 0.4 kg (6.5%) | 68 % | 1200 |
| Grain | Strzegom Barwiący | 0.25 kg (4.1%) | 68 % | 1300 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|-------------------|--------|--------|------------|
| Boil | Lublin (Lubelski) | 30 g | 60 min | 4 % |
| Whirlpool | Lublin (Lubelski) | 20 g | 0 min | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safbrew T-58 | Ale | Dry | 10 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------|-----------------------|--------|---------|--------|
| Spice | Przyprawa do piernika | 100 g | Boil | 60 min |
| Spice | Cynamon mielony | 0 g | Boil | 60 min |
| Spice | Kardaman | 0 g | Boil | 60 min |
| Spice | Imbir | 0 g | Boil | 60 min |
| Spice | Goździki | 0 g | Boil | 60 min |
| Spice | Kolendra | 0 g | Boil | 60 min |
| Spice | Kakao | 0 g | Boil | 60 min |
| Spice | Ziele angielskie | 0 g | Boil | 60 min |

Notes

- Przypraw do smaku
Sep 26, 2018, 8:42 PM