

Xmas Alle !

- Gravity **13.9 BLG**
- ABV ---
- IBU **25**
- SRM **40**
- Style **Christmas/Winter Specialty Spiced Beer**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **26.6 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18.6 liter(s)**

Steps

- Temp **68 C**, Time **30 min**
- Temp **72 C**, Time **30 min**

Mash step by step

- Heat up **14 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **30 min** at **68C**
- Keep mash **30 min** at **72C**
- Sparge using **17.3 liter(s)** of **76C** water or to achieve **26.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|------------------------------------|----------------|-------|-----|
| Grain | Czekoladowy | 0.2 kg (3.9%) | 60 % | 788 |
| Grain | Weyermann - Pale Ale Malt | 3.6 kg (69.9%) | 85 % | 7 |
| Grain | Jęczmień palony | 0.35 kg (6.8%) | 55 % | 985 |
| Grain | Weyermann - Pszeniczny Czekoladowy | 0.5 kg (9.7%) | 65 % | 980 |
| Adjunct | Płatki Owsiane Błyskawiczne | 0.5 kg (9.7%) | --- % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil | Marynka | 20 g | 60 min | 8.6 % |
| Aroma (end of boil) | Lublin (Lubelski) | 30 g | 20 min | 3.7 % |
| Whirlpool | Marynka | 10 g | 1 min | 8.6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safbrew T-58 | Ale | Dry | 11.5 g | Fermentis |

Extras

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

| Type | Name | Amount | Use for | Time |
|--------|--------------------|--------|-----------|-----------|
| Spice | Cynamon | 15 g | Boil | 10 min |
| Spice | Anyż | 4 g | Boil | 3 min |
| Spice | Goździki | 1 g | Boil | 10 min |
| Spice | Kardamon | 5 g | Boil | 10 min |
| Spice | Gałka Muszkatołowa | 4 g | Boil | 10 min |
| Spice | Curacao | 5 g | Boil | 10 min |
| Other | Laktoza | 800 g | Boil | 20 min |
| Flavor | Płatki Dębowe | 50 g | Secondary | 14 day(s) |