

pils

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **48**
- SRM **3**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **80 min**
- Evaporation rate **8 %/h**
- Boil size **27.6 liter(s)**

Mash information

- Mash efficiency **96 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18 liter(s)**

Steps

- Temp **51 C**, Time **15 min**
- Temp **67 C**, Time **60 min**

Mash step by step

- Heat up **14 liter(s)** of strike water to **55.4C**
- Add grains
- Keep mash **15 min** at **51C**
- Keep mash **60 min** at **67C**
- Sparge using **17.6 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--|-------------|-------|-----|
| Grain | Weyermann - Bohemian Pilsner Malt klepiskowy | 4 kg (100%) | 81 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil | Agnus | 25 g | 60 min | 10.6 % |
| Boil | East Kent Goldings | 30 g | 30 min | 5.8 % |
| Boil | East Kent Goldings | 30 g | 10 min | 5.8 % |