

Boooring pale ale

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **19**
- SRM **5.5**
- Style **Belgian Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.4 liter(s)**
- Total mash volume **23.6 liter(s)**

Steps

- Temp **66 C**, Time **60 min**

Mash step by step

- Heat up **18.4 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Sparge using **14.7 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------|----------------|-------|-----|
| Grain | Pilzneński | 4.5 kg (85.7%) | 81 % | 4 |
| Grain | Weyermann - Carabelge | 0.5 kg (9.5%) | 80 % | 35 |
| Grain | Abbey Malt Weyermann | 0.25 kg (4.8%) | 75 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | lunga | 15 g | 60 min | 11 % |
| Boil | Lublin (Lubelski) | 25 g | 5 min | 4 % |
| Boil | Lublin (Lubelski) | 25 g | 0 min | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------|------|--------|---------|-------------|
| Wyeast - Belgian Ardennes | Ale | Liquid | 1500 ml | Wyeast Labs |