

Wól belgijski

- Gravity **11.6 BLG**
- ABV ---
- IBU **43**
- SRM **7.7**
- Style **Belgian Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **65 min**
- Evaporation rate **15 %/h**
- Boil size **25.6 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.75 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **19 liter(s)**

Steps

- Temp **67 C**, Time **50 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **73.3C**
- Add grains
- Keep mash **50 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **14.6 liter(s)** of **76C** water or to achieve **25.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 2.5 kg (62.5%) | 85 % | 7 |
| Grain | Strzegom Monachijski typ I | 1 kg (25%) | 79 % | 16 |
| Grain | Abbey Malt Weyermann | 0.3 kg (7.5%) | 75 % | 45 |
| Grain | Carabelge Weyermann | 0.2 kg (5%) | 80 % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------------|--------|-----------|------------|
| Boil | Marynka | 30 g | 60 min | 8.6 % |
| Boil | Kent Goldings | 30 g | 20 min | 5.7 % |
| Dry Hop | Cascade | 30 g | 14 day(s) | 6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safbrew S-33 | Ale | Dry | 11.5 g | Safbrew |