

Belgia

- Gravity **8.8 BLG**
- ABV **3.4 %**
- IBU **33**
- SRM **5.3**
- Style **Belgian Pale Ale**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18 liter(s)**

Steps

- Temp **64 C**, Time **20 min**
- Temp **72 C**, Time **45 min**

Mash step by step

- Heat up **14 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **20 min** at **64C**
- Keep mash **45 min** at **72C**
- Sparge using **19 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 2.5 kg (62.5%) | 80 % | 5 |
| Grain | Strzegom Monachijski typ I | 1 kg (25%) | 79 % | 16 |
| Grain | Abbey Malt Weyermann | 0.3 kg (7.5%) | 75 % | 45 |
| Grain | Carabelge | 0.2 kg (5%) | 80 % | 30 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------|--------|--------|------------|
| Boil | Brewers Gold | 30 g | 55 min | 7.6 % |
| Boil | Golding | 30 g | 15 min | 5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------|-------|--------|--------|------------------|
| FM20 Białe Walonki | Wheat | Liquid | 120 ml | Fermentum Mobile |

Extras

| Type | Name | Amount | Use for | Time |
|--------|------|--------|---------|--------|
| Fining | Mech | 10 g | Boil | 15 min |