

## Belgian Single

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **30**
- SRM **3.1**
- Style **Belgian Specialty Ale**

### Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23.8 liter(s)**

### Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **17.5 liter(s)**

### Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **14 liter(s)** of strike water to **67.3C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **13.3 liter(s)** of **76C** water or to achieve **23.8 liter(s)** of wort

### Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pilsner malt  | 2.8 kg (80%)   | 82 %  | 4   |
| Grain | Viking Wheat Malt    | 0.5 kg (14.3%) | 83 %  | 5   |
| Grain | Weyermann - Carapils | 0.2 kg (5.7%)  | 78 %  | 4   |

### Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Marynka | 28 g   | 60 min | 7.4 %      |
| Boil    | Marynka | 25 g   | 5 min  | 7.4 %      |

### Yeasts

| Name                    | Type | Form   | Amount  | Laboratory       |
|-------------------------|------|--------|---------|------------------|
| FM26 Belgijskie Pagórki | Ale  | Liquid | 1000 ml | Fermentum Mobile |
| Starter                 |      |        |         |                  |

### Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |                |     |      |        |
|--------|----------------|-----|------|--------|
| Fining | Mech irlandzki | 5 g | Boil | 10 min |
|--------|----------------|-----|------|--------|