

# Belgian Pale Ale

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- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **23**
- SRM **4.5**
- Style **Belgian Pale Ale**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.5 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.2 liter(s) / kg**
- Mash size **14.9 liter(s)**
- Total mash volume **19.5 liter(s)**

## Steps

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

## Mash step by step

- Heat up **14.9 liter(s)** of strike water to **74.3C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.5 liter(s)** of wort

## Fermentables

| Type  | Name                     | Amount         | Yield | EBC |
|-------|--------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt     | 4.6 kg (98.9%) | 80 %  | 5   |
| Grain | Karmelowy żytni Strzegom | 0.05 kg (1.1%) | 75 %  | 150 |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Marynka | 10 g   | 60 min | 10 %       |
| Boil    | Marynka | 10 g   | 30 min | 10 %       |
| Boil    | Marynka | 20 g   | 5 min  | 10 %       |

## Yeasts

| Name                    | Type | Form  | Amount | Laboratory       |
|-------------------------|------|-------|--------|------------------|
| FM26 Belgijskie Pagórki | Ale  | Slant | 120 ml | Fermentum Mobile |