

## Belgia no 3

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- Gravity **19.6 BLG**
- ABV **8.6 %**
- IBU **30**
- SRM **4.8**
- Style **Belgian Golden Strong Ale**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **14 liter(s)**

### Steps

- Temp **65 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

### Mash step by step

- Heat up **10.5 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **0 min** at **78C**
- Sparge using **5.7 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	2.3 kg (60.5%)	82 %	4
Grain	Viking Pale Ale malt	1.2 kg (31.6%)	80 %	5
Sugar	Cukier biały	0.3 kg (7.9%)	--- %	---

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Izabella	25 g	60 min	5.1 %
Boil	lunga	10 g	15 min	11 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale BE-134	Ale	Dry	11.5 g	Fermentis