

# Duvel

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **20**
- SRM **7.3**
- Style **Belgian Golden Strong Ale**

## Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **25.2 liter(s)**

## Mash information

- Mash efficiency **64 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

## Steps

- Temp **55 C**, Time **15 min**
- Temp **64 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **19.5 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **15 min** at **55C**
- Keep mash **60 min** at **64C**
- Keep mash **1 min** at **78C**
- Sparge using **12.2 liter(s)** of **76C** water or to achieve **25.2 liter(s)** of wort

## Fermentables

| Type  | Name                  | Amount        | Yield  | EBC |
|-------|-----------------------|---------------|--------|-----|
| Grain | Pale Malt (2 Row) Bel | 6 kg (80%)    | 80 %   | 6   |
| Grain | Caravienne Malt       | 0.5 kg (6.7%) | 73.9 % | 43  |
| Sugar | Candi Sugar, Clear    | 1 kg (13.3%)  | 78.3 % | 2   |

## Hops

| Use for | Name                  | Amount | Time   | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil    | Styrian Golding       | 40 g   | 60 min | 3.6 %      |
| Boil    | Saaz (Czech Republic) | 30 g   | 15 min | 4.5 %      |
| Boil    | Saaz (Czech Republic) | 30 g   | 0 min  | 4.5 %      |

## Yeasts

| Name                              | Type | Form   | Amount  | Laboratory |
|-----------------------------------|------|--------|---------|------------|
| WLP570 - Belgian Golden Ale Yeast | Ale  | Liquid | 1000 ml | White Labs |

## Extras

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

|        |                |      |      |        |
|--------|----------------|------|------|--------|
| Fining | mech irlandzki | 10 g | Boil | 10 min |
|--------|----------------|------|------|--------|