

## 59 - oud bruin

- Gravity **17.5 BLG**
- ABV **7.5 %**
- IBU **23**
- SRM **18.7**
- Style **Flanders Brown Ale/Oud Bruin**

### Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **10 %**
- Size with trub loss **20.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **26.2 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.2 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **24.4 liter(s)**

### Steps

- Temp **70 C**, Time **90 min**

### Mash step by step

- Heat up **16.8 liter(s)** of strike water to **81.3C**
- Add grains
- Keep mash **90 min** at **70C**
- Sparge using **17 liter(s)** of **76C** water or to achieve **26.2 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pilsen Malt	4.5 kg (59.1%)	80.5 %	2
Grain	Briess - Munich Malt 10L	2 kg (26.2%)	77 %	20
Grain	Briess - Wheat Malt	0.3 kg (3.9%)	81 %	5
Grain	Słód Caramunich Typ II Weyermann	0.3 kg (3.9%)	73 %	120
Grain	Briess - Aromatic Malt	0.2 kg (2.6%)	77 %	39
Grain	Special B Malt	0.2 kg (2.6%)	65.2 %	315
Grain	Weyermann - Dehusked Carafa III	0.12 kg (1.6%)	70 %	1024

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Willamette	35 g	60 min	7.3 %

### Yeasts

Name	Type	Form	Amount	Laboratory
WLP540 - Abbey IV Ale Yeast	Ale	Slant	200 ml	White Labs
Wyeast XL 3763 Roeselare Ale Blend	Ale	Slant	1000 ml	Wyeast