

90. Brunetka

- Gravity **18.2 BLG**
- ABV **7.8 %**
- IBU **23**
- SRM **15.7**
- Style **Belgian Dubbel**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.3 liter(s) / kg**
- Mash size **15.6 liter(s)**
- Total mash volume **22.4 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **15.6 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **20.2 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pilsen Malt	6 kg (77.9%)	80.5 %	3.5
Grain	Briess - Wheat Malt, White	0.5 kg (6.5%)	85 %	5
Grain	Briess - Aromatic Malt	0.3 kg (3.9%)	77 %	39
Sugar	Syrop D-90	0.9 kg (11.7%)	100 %	238

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	23 g	60 min	11 %
Boil	Tradition	20 g	10 min	5.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
WLP540 - Abbey IV Ale Yeast	Ale	Liquid	1200 ml	White Labs