

Grand Prix Czesława Dziełaka oryginal

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **60**
- SRM **4.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.9 liter(s)**
- Total mash volume **29.2 liter(s)**

Steps

- Temp **52 C**, Time **15 min**
- Temp **64 C**, Time **60 min**
- Temp **71 C**, Time **15 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **21.9 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **15 min** at **52C**
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **71C**
- Keep mash **5 min** at **76C**
- Sparge using **17.1 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	5.8 kg (79.5%)	82 %	4
Grain	Pszeniczny	0.7 kg (9.6%)	85 %	4
Grain	Monachijski	0.5 kg (6.8%)	80 %	15
Grain	Weyermann - Carapils	0.3 kg (4.1%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	25 g	60 min	15.5 %
Boil	Columbus/Tomahawk/Zeus	25 g	15 min	15.5 %
Boil	Centennial	25 g	10 min	10.5 %
Boil	Simcoe	25 g	5 min	13.2 %
Boil	Citra	25 g	1 min	12 %
Dry Hop	Centennial	25 g	5 day(s)	10.5 %
Dry Hop	Citra	75 g	5 day(s)	12 %
Dry Hop	Simcoe	25 g	5 day(s)	13.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	22 g	---