

Pastry Stout #1

- Gravity **42 BLG**
- ABV **24.3 %**
- IBU **32**
- SRM **68.8**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **15 %**
- Size with trub loss **23 liter(s)**
- Boil time **180 min**
- Evaporation rate **10 %/h**
- Boil size **32.5 liter(s)**

Mash information

- Mash efficiency **66 %**
- Liquor-to-grist ratio **2.7 liter(s) / kg**
- Mash size **47.8 liter(s)**
- Total mash volume **65.5 liter(s)**

Steps

- Temp **68 C**, Time **90 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **47.8 liter(s)** of strike water to **76.9C**
- Add grains
- Keep mash **90 min** at **68C**
- Keep mash **1 min** at **78C**
- Sparge using **2.4 liter(s)** of **76C** water or to achieve **32.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	10.49 kg (50.3%)	80 %	5
Grain	Monachijski	1.69 kg (8.1%)	80 %	16
Grain	Oats, Flaked	1.69 kg (8.1%)	80 %	2
Grain	Fawcett - Pale Chocolate	2 kg (9.6%)	71 %	600
Grain	Jęczmień palony	0.27 kg (1.3%)	55 %	985
Grain	Weyermann - Chocolate Rye	0.4 kg (1.9%)	20 %	493
Grain	Caraaroma	0.67 kg (3.2%)	78 %	400
Grain	Słód Caramunich Typ II Weyermann	0.49 kg (2.3%)	73 %	120
Liquid Extract	Liquid Extract (LME) - Pale	1.69 kg (8.1%)	78 %	16
Sugar	Milk Sugar (Lactose)	1.47 kg (7%)	76.1 %	0

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	100 g	60 min	10.9 %

Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - London Ale III	Ale	Liquid	3000 ml	Wyeast Labs

Notes

- Modyfikacja wody
Dodatki: jakieś na pewno\\
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